



# Anshumat



Quarterly Newsletter of

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

Deemed to be University under Ministry of Education (MoE), Govt. of India

संत लोंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान लोंगोवाल-148106

भारत शासन अधीन सम विश्वविद्यालय

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## DIRECTOR'S MESSAGE



I feel immensely pleased that SLIET is bringing out 23rd issue (Volume VI Issue III) of quarterly newsletter 'ANSHUMAT'. SLIET is always aiming to become a Technical Institute in the National reckoning. We are admitting the students in graduate streams through All India Test JEE (Main) and to select the best possible intake for our ICD courses by conducting All India SLIET Entrance Test. The Institute is continuously developing infrastructure for the dissemination of Technical Knowledge and Training.

The campus spread over 450 acres is a happening adobe for the faculty, staff and students where we are materializing our dream of becoming a premier Institute with a ceaseless passion. We had several important events every year organised by the dedicated faculty members, staff and students, many Institute level and department level activities which are covered in the various issue of newsletter ANSHUMAT. Compliments to the members of editorial board of 'ANSHUMAT' faculty and staff members, and students who collectively helped publishing this important publication of SLIET for so many years.

I am quite hopeful that for the readers of ANSHUMAT, the latest issue will also be aptly informative and useful. I convey my best wishes and congratulations to team ANSHUMAT on publication of this issue of the newsletter.

Jai Hind Jai Bharat

**Prof. Mani Kant Paswan**



## शिक्षा की जड़ें

"शिक्षा की जड़ें कड़वी होती हैं लेकिन फल मीठा होता है।" – अरस्तु

## सोच का परिणाम

"हम जो कुछ भी है वह हमने आज तक क्या सोचा इस बात का परिणाम है यदि कोई व्यक्ति बुरी सोच के साथ बिताया काम करता है तो उसे कष्ट ही मिलता है यदि कोई व्यक्ति शुद्ध विचारों के साथ बोलता है या काम करता है तो उसकी परछाई की तरह खुशियाँ उसका साथ कभी नहीं छोड़ती।" – भगवान गौतम बुद्ध



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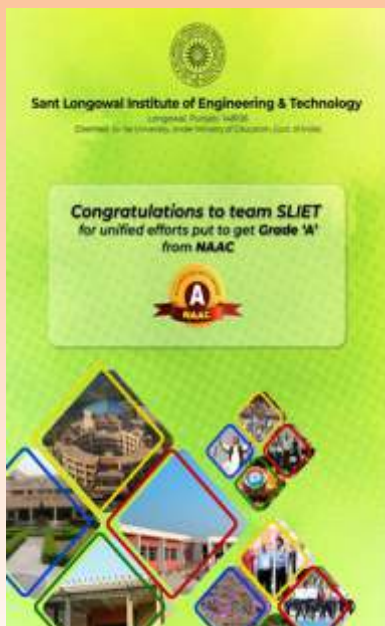
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## IMPORTANT EVENTS, ACTIVITIES AND ACHIEVEMENTS

### NAAC ACCREDITATION OF SLIET, LONGOWAL

In response to Self Study Report (SSR), submitted (through online mode) to the National Assessment and Accreditation Council (NAAC), Bangalore for the Accreditation of Sant Longowal Institute of Engineering & Technology, Longowal, the NAAC peer team visited the Institute from 31st August - 2nd September 2023.

Based on the outcome of the Assessment and Accreditation (A&A) exercise of the Institute followed by NAAC Peer Team (PTV), Institute (SLIET) has been Accredited with a CGPA of 3.02 on a seven point scale at 'A' Grade valid for a period of 5 years from 14.09.2023. Director SLIET Prof. Mani Kant Paswan congratulated Team SLIET for this achievement.



### MOUs SIGNED BETWEEN IIT JAMMU AND SLIET, LONGOWAL

Prof. Mani Kant Paswan, Director, SLIET along-with Prof. J. S. Dhillon, Dean (Academics), Prof. J.S. Ubhi, Associate Dean (Academic Planning), Dr. Charanjiv Gupta, Associate Professor (EIE) participated in All India Education Meet (Akhil Bharatiya Shiksha Samagam), held in New Delhi on 29th and 30th July, 2023 on the occasion of completion of three years of implementation of NEP-2020 and signed MoUs with Indian Institute of Technology, Jammu for collaborative research projects in area of common interest, joint supervision of Ph.D. students, joint degree program, organization of joint workshops and seminars, exchange of students and faculty besides information sharing in the areas of academics and research.



### SLIET ORGANIZED WORKSHOP ON IMPLEMENTATION OF NATIONAL EDUCATION POLICY-2020



Sant Longowal Institute of Engineering & Technology, Longowal organized one day workshop on the 'Implementation of NEP-2020' on 26th July, 2023. Prof. Mani Kant Paswan, Director, SLIET, Longowal inaugurated the workshop. Delegates from MRSPTU, Bathinda, Government Ranbir College, Sangrur, Punjabi University College, Barnala and Kendriya Vidyalaya, SLIET, Longowal along-with Deans and Head of Departments from SLIET participated in this workshop. The delegates deliberated on the key takeaway/ points of NEP-2020 and progress of implementation in their respective Institutes. The outcome of this workshop was highly fruitful in the effective and smooth implementation of NEP-2020.

### SLIET SIGNED MOUs WITH NIT DELHI



Prof. Mani Kant Paswan, Director, SLIET along-with Prof. J. S. Dhillon, Dean (Academics), Prof. J.S. Ubhi, Associate Dean (Academic Planning), Dr. Charanjiv Gupta, Associate Professor (EIE) participated in All India Education Meet (Akhil Bharatiya Shiksha Samagam), held in New Delhi on 29th and 30th July, 2023 on the occasion of completion of 3rd Anniversary of the National Education Policy (NEP) 2020 in New Delhi and also MoU signed with NIT Delhi in Pragati Maidan auditorium, under the leadership of Prof. Mani Kant Paswan Director, SLIET, Longowal with Prof. Ajay Kumar Sharma Director, NIT Delhi in presence of Prof. V. S. Pandey Dean FW NIT Delhi, Prof. JS Dhillon Dean (Academics) SLIET, Prof. JS Ubhi Associate Dean (Academic Planning) SLIET & Dr. Charanjiv Gupta Associate Professor (EIE) SLIET. Three years of implementation of NEP-2020 and signed MoUs with National Institute of Technology, Delhi.



## SKILL VIGYAN PROGRAM MENTORED ENTREPRENEURS FIND SUCCESS

In a remarkable testament to the power of mentorship and dedicated efforts, six budding entrepreneurs have successfully registered their enterprises and startups under the Skill Vigyan Program of the Ministry of Science and Technology, Government of India. This achievement has been made possible under the able guidance of Professor Ravi Kant Mishra, the Project Coordinator of

the Skill Vigyan Program, in collaboration with the Punjab State Council of Science and Technology, Chandigarh.

Under Professor Mishra's mentorship Below listed students have successfully completed their entrepreneurship course and register themselves as enterprise. Over the past six months, proving that with dedication and the right guidance, anything is possible.

## IMPORTANT DAYS/MONTHS/ PAKHWADAS

### 77TH INDEPENDENCE DAY CELEBRATED



Sant Longowal Institute of Engineering and Technology celebrated 77th Independence Day on 15th August 2023 with full zeal and zest. On this auspicious day, the national Tricolour was hoisted by the director Prof. Mani Kant Paswan, and followed by a patriotic and inspirational speech. The event was streamed live on Official Facebook channel of SLIET. The flag hoisting ceremony was followed by a graceful parade by security personnel. In the event numerous poems, songs, lectures were delivered related to the nationalism. Further on the occasion, Prof. Mani Kant Paswan exhorted everyone to toil hard for the multi-dimensional growth of the institute which will be a tribute to the nation. SLIET Longowal is going to observe Partition Horrors Remembrance Day on 14th Aug. 2023.

NSS Team of SLIET Longowal organised the Prabhat Pheri.





## अमर शहीद संत हरचंद सिंह लौंगोवाल जी की शहादत की 39 वीं पुण्यतिथि पर श्रद्धांजलि समारोह



संत लौंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान (समरूप विश्वविद्यालय), लौंगोवाल के प्रशासनिक खण्ड के समक्ष अमर शहीद संत हरचंद सिंह लौंगोवाल जी की शहादत की 39 वीं पुण्यतिथि पर श्रद्धांजलि समारोह का आयोजन किया गया। इस अवसर पर संस्थान के निदेशक प्रो. मणि कांत पासवान (ऑनलाइन) तथा प्रभारी निदेशक प्रो अजात शत्रु अरोड़ा ने अतिथियों डॉ गुरचरण कौर कोचर, श्री महेंद्र सिंह दुल्लट, व शहीद भाई दियाला जी पब्लिक स्कूल, लौंगोवाल के प्राचार्य श्री एन पी सिंह ढिल्लों, प्रशासनिक अधिकारियों अधिष्ठाता (छात्र कल्याण) प्रो. राजेश कुमार, कुलसचिव श्री हरिमोहन अरोड़ा, व जन संपर्क अधिकारी, प्रो अजयपाल सिंह, प्रो एम एम सिन्हा, तथा छात्र-छात्राओं, कर्मचारियों, व संकाय सदस्यों, केंद्रीय विद्यालय के शिक्षकों व विद्यार्थियों के साथ अमर शहीद संत हरचंद सिंह लौंगोवाल जी की प्रतिमा को नमन किया और उन्हें श्रद्धा-सुमन अर्पित किया तथा लोगों में जागरूकता पैदा करने के लिए संत जी के जीवन से संबंधित चित्र प्रदर्शनी, जिससे तथ्य के साथ ही सच्चाई एवं अच्छाई

की स्पष्ट जानकारी मिलती है, का अवलोकन भी किया। पूर्वोत्तर क्षेत्र में होने के कारण अपने ऑनलाइन संबोधन में मानवीय मूल्यों के प्रति संत जी के समर्पण, त्याग और बलिदान को याद करते हुए संस्थान के निदेशक प्रो पासवान ने संस्थान के कर्मचारियों, अधिकारियों और संकाय सदस्यों को प्रतिबद्धता व पूरी लग्न से निरंतर कार्यशील बने रहने का आह्वान किया ताकि संत जी के सपनों को साकार करने में संस्थान का अस्तित्व व इसकी राष्ट्रीय पहचान गरिमा की नई ऊंचाई को प्राप्त करती रहे। उन्होंने कहा कि संत जी शांति के मसीहा, देश की एकता-अखंडता के प्रबल पक्षधर योद्धा तथा पंजाब के शांतिदूत थे एवं उनके बताये मार्ग पर चलकर ही संस्थान की तरक्की सुनिश्चित रह सकती है जिससे देश के विकास में हमारी विशेष भूमिका बनी रह पायेगी और इसी विश्वास को बनाये रखने में ही संत जी को अर्पित श्रद्धा के फूल परिलक्षित होने चाहिए। इस अवसर पर मस्तुआना साहिब से आए सरदार लाभ सिंह ने भी संत जी के जीवन और उनकी शहादत पर प्रकाश डाला।

## स्लाइट में कवि सम्मेलन आयोजित : श्रोता हुए मंत्र - मुग्ध

स्लाइट में राजभाषा (हिन्दी) विकास समिति के तत्वावधान में 1 सितंबर से 30 सितंबर, 2023 तक हिंदी माह मनाया जा रहा है जिसके अंतर्गत विविध कार्यक्रमों की श्रृंखला आयोजित है और इसी श्रृंखला की एक अनुपम कड़ी में 'स्लाइट संध्या कवि सम्मेलन 2023' का आयोजन दिनांक 24.09.2023 को किया गया।

कार्यक्रम की शुरुआत अधिष्ठाता (संकाय एवं कर्मचारी कल्याण) व निदेशक प्रभारी प्रो. अजातशत्रु अरोड़ा व अधिष्ठाता (छात्र कल्याण) प्रो. राजेश कुमार ने अतिथियों केंद्रीय विद्यालय के प्राचार्य श्री हरिहर यादव एवं संस्थान के छात्र रहे मेजर विंध्याचल प्रताप सिंह, तथा कवियों के साथ अंधकार पर प्रकाश की विजय का प्रतीक दीप प्रज्वलित कर किया और संस्थान कुलगीत के बाद समिति की छात्र ईकाई के संयोजक ज्योतिरादित्य



ने कवियों का स्वागत करके मंच पर आमंत्रित किया। समिति के अध्यक्ष डॉ राजकुमार यादव ने राजभाषा हिन्दी की महत्ता के साथ ही इस दिशा में की जा रही गतिविधियों की जानकारी दी और युवाओं का आह्वान किया कि वे जीवन का सच्चा आनंद लेने के लिए साहित्य से जुड़ें।

इस कवि सम्मेलन में आमंत्रित कवियों ने अपनी रचनाओं से खूब समां बांठा जिसमें कवि आशीष द्विवेदी, चेतन चर्चित, प्रदीप तिवारी, दिनेश देवघरिया, अभिशार शुक्ल, वाशु पाण्डेय, नीलमणि झा एवं आशुतोष झा शामिल रहे। इस कार्यक्रम में अतिथि के रूप में कॉलेज के पूर्व छात्र मेजर विंध्याचल प्रसाद सिंह ने शिरकत की उन्होंने अपने संबोधन में संस्थान में बिताए दिनों की याद को साझा करते हुए छात्र-छात्राओं का आह्वान किया कि वे समय का ध्यान रखें और मर्यादा का अनुपालन करते हुए रचनात्मक कार्यों में अपनी व्यस्तता से स्वयं एवं संस्थान की प्रगति व पहचान को नया आयाम देने का भागीदार बनें। संस्थान के निदेशक प्रो. मणिकांत पासवान ने कार्यक्रम की सफलता हेतु अपनी शुभकामनाएं संप्रेषित की।

## स्टाईट में हिन्दी दिवस समारोह आयोजित



संत लॉंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान, लॉंगोवाल में दिनांक 14 सितम्बर 2023, दिन वीरवार (वृहस्पतिवार) को हिंदी दिवस मनाया गया। संस्थान के जगदीश चन्द्र बोस सभागार (आई.एस. टी. ई. हॉल) में आयोजित इस कार्यक्रम का शुभारम्भ संस्थान के निदेशक प्रभारी व अधिष्ठाता (शैक्षणिक) प्रो. जे.एस. दिल्ली, अधिष्ठाता (छात्र कल्याण) प्रो. राजेश कुमार, मुख्य अतिथि संस्थान कुलगीत के रचयिता मूर्धन्य साहित्यकार डॉ. योगेन्द्र नाथ शर्मा 'अरुण', मुख्य छात्र परामर्शक प्रो. एम.एम. सिन्हा, कुलसचिव श्री हरिमोहन अरोड़ा, प्रो. रविकांत मिश्रा, समिति सदस्य श्री सरबजीत सिंह व श्री जगदीश चन्द एवं अन्य गणमान्य अतिथियों तथा छात्र संयोजक द्वय ज्योतिरादित्य एवं ऋषभ द्वारा सर्वप्रथम आजादी के अमृत महोत्सव की अमिट याद को समर्पित मुख्य

दीप एवं 75 दीपों की श्रृंखला प्रज्वलित करने के साथ ही संस्थान कुलगीत से हुआ। राजभाषा (हिन्दी) विकास समिति के अध्यक्ष डॉ. राज कुमार यादव ने हिन्दी दिवस समारोह में आए अतिथियों एवं प्रतिभागियों का स्वागत व अभिनन्दन किया तथा संकाय सदस्यों व कर्मचारियों के साथ ही छात्र – छात्राओं के लिए 01 सितम्बर से 30 सितम्बर, 2023 तक की अवधि में आयोजित हिंदी माह के विभिन्न प्रतियोगी कार्यक्रमों जैसे निबंध लेखन, कहानी लेखन, हिंदी टंकण, चित्रांकन, सुलेख, काव्य पाठ, स्वराग्नि आदि का आयोजन किए जाने, प्रतिभागिता प्रमाण – पत्र दिए जाने तथा विजेता प्रतिभागियों को पुरस्कृत भी किए जाने की जानकारी दी मुख्य अतिथि डॉ. योगेन्द्र नाथ शर्मा 'अरुण' ने राज्य व राष्ट्र के निर्माण में भाषा की महत्ता विस्तृत चर्चा की तथा स्वतंत्रता सेनानियों की अवधारणा में समाहित श्मरत राष्ट्र के सपने को साकार करने की दिशा में राष्ट्रीय शिक्षा नीति 2020 की भूमिका पर प्रकाश डाला और मानव सभ्यता के विकास में भारत की सांस्कृतिक विरासत में मानव की निहित प्रतिबद्धता 'बीज वही जो गलकर वृक्ष बन जाता है, छाया व फल प्रदान करता है, वरना मिट्टी बन जाता है।' के आशय की अभिव्यक्ति करता काव्य पाठ भी किया प्रो. दिल्ली ने संस्थान कुलगीत रचयिता मुख्य अतिथि डॉ. योगेन्द्र नाथ शर्मा 'अरुण' को संस्थान परिवार का अभिन्न सदस्य और मार्गदर्शक के रूप में स्वागत किया और इस अवसर पर आने के लिए धन्यवाद किया। संस्थान के निदेशक प्रो. मणिकांत पासवान के मार्गदर्शन व संरक्षण में हिन्दी दिवस समारोह आयोजित किया गया और उन्होंने इस अवसर पर अपनी शुभकामनाएं संप्रेषित किया। अधिष्ठाता (छात्र कल्याण) प्रो. राजेश कुमार ने हिन्दी दिवस समारोह का संयोजन किया।

## संत लॉंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान, लॉंगोवाल में हिंदी माह आयोजित



संत लॉंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान, लॉंगोवाल में दिनांक 01 सितम्बर 2023, दिन शुक्रवार को हिंदी माह का शुभारंभ किया गया। संस्थान में जगदीश चन्द्र बोस सभागार (आई.एस. टी. ई. हॉल) में आयोजित कार्यक्रम का शुभारम्भ संस्थान के अधिष्ठाता (छात्र कल्याण) प्रो. राजेश कुमार, मुख्य परामर्शक प्रो. एम.एम. सिन्हा, प्रो. एस.एस. वर्मा, प्रो. शंकर सिंह, प्रो. इंद्राज सिंह, श्री रामशब्द राम, एवं अन्य गणमान्य अतिथियों तथा छात्र संयोजक द्वय ज्योतिरादित्य एवं ऋषभ द्वारा सर्वप्रथम दीप प्रज्वलित करने के साथ ही संस्थान कुलगीत से हुआ। राजभाषा (हिन्दी) विकास समिति के अध्यक्ष ने हिंदी माह में आयोजित होने वाले विभिन्न प्रतियोगी कार्यक्रमों की सम्पूर्ण जानकारी दी। अधिष्ठाता (छात्र कल्याण) प्रो. राजेश कुमार ने छात्र – छात्राओं, कर्मचारियों, संकाय सदस्यों एवं अधिकारियों को हिन्दी माह की हार्दिक बधाई एवं शुभकामनाएं दी और आत्मनिर्भर भारत बनाने में भाषायी आत्मनिर्भरता को जीवन की मौलिकता बताया तथा इसकी निरंतरता बनाए रखने की अपील की। उन्होंने आगे कहा कि चिंतन व समझदारी अपनी भाषा में ही होती है और व्यापार ग्राहकों की भाषा में की जाती है जिसकी वैश्विक स्वीकार्यता के अनुरूप हमें राजभाषा हिन्दी का प्रयोगकर राष्ट्र को प्रगति के नए आयाम पर ले जाने में अपनी जिम्मेदारी समझने एवं भागीदारी निभाने की आवश्यकता है। उन्होंने राजभाषा हिन्दी समिति एवं इसकी छात्र इकाई द्वारा किए जा रहे कार्यों की सराहना की। इस समारोह में छात्र – छात्राओं द्वारा काव्य पाठ, संगीत व नृत्य का सफल मंचन किया गया। संस्थान में राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद की तीन दिवसीय गतिविधियों के बीच समारोह में छात्र – छात्राएं, कर्मचारी, अधिकारी एवं संकाय सदस्य काफी संख्या में उपस्थित रहे। समिति के अध्यक्ष ने भाषायी साम्राज्यवाद के संकट से निबटने के इस कार्यक्रम में सहयोग के लिए सभी का धन्यवाद किया।

## SWACHHATA PAKHWADA – 2023

Swachhata Pakhwada – 2023 has been observed by Sant Longowal Institute of Engineering and Technology, Longowal (Punjab) during Sept. 1-15, 2023. Various programs have been organized under the Pakhwada to develop a sense of hygiene and cleanliness amongst students, faculty and staff alongwith surrounding masses as per Program Schedule mentioned above.

On Sept 4, 2023 (Monday), the Opening Ceremony of Swachhata Pakhwada – 2023 was performed in Mini Auditorium, CSE Block, and had a 'Swachhata Pledge Taking Ceremony' in the esteemed presence of Dr. Mani Kant Paswan (Director, SLIET), Dr. Rajesh Kumar (Dean, S&W), Dr. Gulshan Jawa (Faculty Coordinator, NSS, SLIET), Prof. SM Ahuja (Faculty Coordinator, Jal Shakti Abhiyaan, SLIET), NSS SLIET team and other faculty, staff and students. Subsequently, the programs were conducted as per schedule to inculcate the attitude of cleanliness, health and hygiene for sustainability amongst students through pledge ceremonies, cleanliness drives, swachhata rally, Poster and Paper presentations on Cleanliness and water conservation, discussions etc. The students, staff and faculty members of the institute show full sense of responsibility towards cleanliness and resource conservation for making the Nation clean and developed with sustainability.





## MERI MAATI MERA DESH UNDER EK BHARAT SHRESHTHA BHARAT

A program has been organised on “Meri Maati Mera Desh” under the umbrella of of EK BHARAT SHRESHTHA BHARAT on 11/08/2023. Honourable director Dr. Mani Kant Paswan hoisted the flag on this occasion. The pledge under “Pran Panch” has been taken and the process of planting 75 saplings was initiated.



## FDP/STTP/CONFERENCES/TALKS/LECTURES/SEMINARS

### THREE DAY FDP ON UNIVERSAL HUMAN VALUE



The Universal Human Value (UHV) Cell of Sant Longowal Institute of Engineering and Technology, SLIET is conducting a 3-day face-to-face faculty development program (FDP) on “Universal Human Values”. The

program is scheduled to take place from August 1 to August 3, 2023. The inauguration of program was held on August 01, 2023 with the esteemed presence of Dr. Mani Kant Paswan, Director SLIET, who graced the occasion as Chief Guest. The Faculty Development Program (FDP) is being led by a team of Resource Persons namely Sh.

Ajay Kumar Pal, Dr. Priya Darshni and Ms. Banisha Prinja, who are from of National Coordination Committee for Induction Program (NCC-IP), AICTE. The FDP has been organised by Prof. Kamlesh Kumari, Coordinator of UHV Cell SLIET along with Dr. Tajinder Singh, Co-coordinator of UHV Cell SLIET. In addition to equipping faculty members to teach UHV-I (part of 3 weeks Mandatory SIP) & UHV-II (3-credit compulsory course as per Model Curriculum of AICTE); this FDP has a significant objective. It aims to foster a conducive environment for Holistic, Values based Education (HVBE) within institutions. This supportive atmosphere will play a vital role in preparing the next generation of capable and responsible students and citizens. Over 50 participants from SLIET and neighbouring institutes are actively taking part in this program. Notably, AICTE will provide certification to those participants who successfully meet the requirements of the FDP.

### 2-DAYS FACE-TO-FACE TRAINING PROGRAM BY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Department of Electronics and Communication Engineering of Sant Longowal Institute of Engineering and Technology (SLIET) is conducting a 2-days face-to-face training program on “Design and Development of Terahertz Self-Multiplex Antennas Using Substrate Integrated Waveguide for 6G Wireless Communication System’ on 29th and 30th September 2023 under the head of scientific Social Responsibility of SERB-SRG Sanctioned project. The inauguration of the program was held on September 29, 2023 with the esteemed presence of Dr. Mani Kant Paswan, Director SLIET, who graced the



occasion as a Chief Guest. Dr. Surinder Singh, Dean(R&C) and Dr. Kamlesh Prasad, Dean(FSW) also graced the occasion as a guest of honour. Dr. Ajay pal Singh, Chairman and HOD(ECE) graced the event. The program is being led by Dr. Kundan Kumar, Coordinator and PI of Project, and Resource Persons Dr. Anupma Marwaha. Other Faculty and Staff members of the department are present during inaugural to grace the event. Over 26 participants from SLIET have attained the training program.

## EXPERT TALK ON MATHEMATICAL ANALYSIS IN SLIET

Prof. Takao Komatsu, Zhenjiang SciTech University Hangzhou China, delivered an expert talk on mathematical analysis and number theory. The talk was organised by department of mathematics SLIET. Prof. Takao Komatsu was honoured by SLIET Director Prof. Mani Kant Paswan. Head Department of Mathematics Prof. Kukreja, Senior Prof. S.S. Dhaliwal, faculty, staff research scholars and students were present during the lecture.



## TWO DAYS' WORKSHOP ON "INTRODUCTION TO MATLAB AND SIMULINK"

The Department of Computer Science and Engineering organized a two days' Workshop on "Introduction to MATLAB and Simulink" for the Faculty, PG students and Research Scholars on 5th and 6th September 2023. This Workshop aimed at developing the understanding of MATLAB basics among Faculty, PG students and Research Scholars. During the inaugural function on 05.09.23, Professor Mani Kant Paswan (Director, SLIET), Professor J.S. Dhillon (Dean Academics, SLIET), Prof. Birmohan Singh (HOD CSE), and Mr. Adarsh Chaunal (Resource Person) addressed the participants of the workshop. The inaugural function ended with the vote of thanks by Dr. Manminder Singh (Coordinator).

A total of 49 participants enrolled in this Workshop. There were six sessions of MATLAB, 03 sessions each on 05.09.23 and 06.09.23. In the 1st session, the introduction to MATLAB was covered, while solving problems using MATLAB was covered in the 2nd session, and Simulating Models in Simulink was covered in the 3rd session. In the 4th session, the introduction to AI with MATLAB was covered, while Deep Learning with MATLAB was covered in the 5th session, and MathWorks products from different Application Areas were covered in the 6th session. The Workshop proved to be very fruitful for the participating Faculty, Research Scholars and PG Students. The workshop ended with the Valedictory function on 6th September 2023.



## MOTIVATIONAL LECTURE ORGANIZED BY SCIENCE CLUB

On 25th August 2023, Science Club hosted a motivational and spiritual expert lecture by Prof. Laxmidhar Behra, Director I.I.T. Mandi. The event stated that 'Yoga is the art of all work'. On the very first day the audience experienced the art of communication and expert talk by eminent speaker Prof. Laxmidhar Behra. He also emphasized the value of networking and mentorship to achieve success in life. On the second day 'A Yoga Session' was organized for all the students and faculty members for attaining peace amidst the chaos. The Yoga Session by Prof. Behra, Director IIT Mandi. He was very much healing and peaceful.





## POPULAR SCIENCE SEMINAR ORGANISED BY SCIENCE CLUB



**Popular Science** Seminar by two eminent speakers was organized by Science Club on **12th August 2023** in ISTE HALL. The purpose of this seminar was to generate scientific temper among students. Dr. Sabyasachi Chatterjee, Retired Scientist, Indian Institute of Astrophysics, Bengaluru delivered talk on Self Reliance and Scientific Temper. Another eminent speaker Dr. KasheeNath Chatterjee, General Secretary, Bharat GyanVigyan Samiti (BGVS) enlightened the audience about Journey of BGVS for Empowering Masses. The day started with the welcoming of speakers in the presence of our worthy director Prof. Manikant Paswan, Dean (SW) Prof. Rajesh Kumar, Faculty Advisor Prof. M M Sinha and all other faculty member. First lecture was delivered by Dr. Sabyasachi Chatterjee on the topic "Self Reliance and Scientific Temper". In his lecture he told students about earlier time after independence that how our leaders like Mahatma Gandhi and Jawaharlal Nehru discussed with leading

scientist of those days before framing any five-year plan to implement for the benefit of mankind in India. At last he has talked about current situation of India and what steps could be taken for the betterment of India.

Second lecture was delivered by Dr. KasheeNath Chatterjee on the topic "Journey of BGVS for Empowering Masses". In his talk he discussed about Self Reliance which is the ability to do things and make decisions by yourself, without needing other people to help you. Then he talked about Scientific Temper which was discovered by Nehru ji which was a way of life an individual and social process of thinking and acting which uses a scientific method which may include questioning, testing, hypothesising, analysing and communicating.

After the lecture both the speakers were felicitated by all the respected dignitaries on behalf of Science Club.

## TWO DAYS WORKSHOP ON VLABS

IIC Cell organized Two Days workshop on VLABS on 21st and 22nd September 2023. The experts from IIT Roorkee interacted with student from different streams. The core idea of the workshop was to create awareness among the students about the online Virtual Lab facilities created by different IITs and other Institutions. Total 276 students along with 07 faculty members were present at the venue. The event held in the presence of Dr. A.S. Arora, President (IIC) and Dr. Surita Maini, Vice-President (IIC).



## LECTURE ORGANIZED ON "FRACTALS AND CHAOS" BY PROF. MAMATA RANI

Prof. Mamta Rani (Ph.D., D.Sc.) of Department of Computer Science, Central University of Rajasthan, Ajmer, delivered invited lecture on "Fractal and Chaos" on 4th September 2023. Her sub topics of talk included: (a) Fractals and Chaos, (b) Particle Swarm Optimization, (c) Alternate Superior Biogeography Based Optimization, (d) Vulnerability of Baptista Chaotic Cryptosystems. Honourable Director while addressing the audience stressed on the importance and need of mathematics in modern science and technology development. He also highlighted the contribution of our

ancient Indian mathematicians for enrichment of scientific knowledge.

Prof. Vinod Mishra, convener of the program, gave brief introduction to speaker Prof. Mamta Rani, her achievement and contribution to computational science. He highlighted through brief ppt presentation on India's contribution to fractals in design of temple architecture.

Nearly eighty faculty members, UG & PG students and research scholars participated in the program. All the student participants were issued certificate of participation.





## NSS/NCC CORNER

### INDEPENDENCE DAY PARADE



The highlight of 77th Independence celebration was a remarkable display of discipline and patriotism by the NCC cadets of SLIET Longowal. Dressed in their crisply pressed uniforms, they showcased

their dedication to the nation by performing precision drills and marches. Their synchronized movements, under the command of their drill instructor, left the audience awestruck.

### ORIENTATION OF NEWLY RECRUITED CADETS

The Orientation Program for newly recruited cadets in 2023 at SLIET was a pivotal event that featured a virtual interaction with distinguished alumnus Senior Under Officer (SUO) Harish Bhatti, currently undergoing Gentleman Cadet training at the Officer Training Academy (OTA) in Chennai.

The newly appointed CareTaker Officer, Dr. Barasha Mali, who will be guiding and mentoring the cadets. The event fostered unity and camaraderie among cadets from different batches, creating a supportive and collaborative environment.



## SPORTS CORNER

The Inter-technology Tournament in Athletics (M&W), Cricket, and Volleyball held at Thapar University, Patiala on 14th – 16th April 2023, showcased sporting prowess of SLIET, securing an impressive tally of 3 Gold, 7 Silver, and 7 Bronze medals, while the cricket team achieved a commendable 3rd position.



The invigorating SLIET Open Yoga (B&G) event was held at the scenic SLIET Campus on the 12th and 13th of May 2023, radiating a profound sense of well-being and harmony through the transformative art of yoga. Participants from all walks of life came together to embrace the practice, fostering the essence of physical and mental wellness in a truly uplifting and rejuvenating atmosphere.



On the eve of World Environment Day, SLIET witnessed a unifying 2 km walk, uniting faculty, staff, and students in a collective effort to celebrate and protect the planet. Clad in eco-friendly t-shirts, participants carried inspiring placards, advocating for environmental conservation.



The event concluded with a heartfelt pledge to embrace eco-friendly habits and preserve the Earth for future generations, leaving an inspiring example for institutions worldwide to champion the cause of environmental stewardship.

On the eve of International Yoga Day (Supervised by Dr. Manoj Sachan), a spirit of tranquility and unity filled the air at SLIET as students, staff, and faculty members wholeheartedly participated in the event on the 21st of June, 2023. Embracing the essence of this ancient practice, the campus became a haven for yogic exploration and mindfulness. To enrich the experience, experts from Patiala named Dr. Richa Aggarwal and Dr. Puneet Rekhi were graciously invited to join the celebration, sharing their profound knowledge and expertise with the eager participants.





## TRAINING AND PLACEMENT CORNER

### Campus Placement of the 2024 pass out batch

During the period from July to September 2023, Department of Training and Placement successfully conducted the virtual hiring process of difference corporates for the batch 2020-2024 students as per the table given. Also, department of T&P worked hard to attract the MNC's as Day-I Sharing companies for campus placement of our students. The placement details during the campaign is as under :

S. NO	NAME OF THE COMPANY	NO. OF SELECTED STUDENTS
1	DEFENCE RESEARCH AND DEVELOPMENT ORGANISATION (DRDO) AT DEFENCE GEOINFORMATICS RESEARCH ESTABLISHMENT (DGRE)	01
2	KHANNA PAPER MILLS LTD., AMRITSAR	02
3	ISGEC HEAVY ENGINEERING LTD, YAMUNA NAGAR	02
4	UNTHINKABLE SOLUTIONS, HISAR (DAFFODIL)	07
5	IOL CHEMICALS AND PHARMACEUTICALS LIMITED	13



TEAM OF ISGEC HEAVY ENGINEERING LTD



TEAM OF IOL CHEMICALS AND PHARMACEUTICALS

## ALUMNI CORNER

The SLIET Alumni Association conducted noteworthy activities, engagements within our vibrant alumni community that unfolded between July and September 2023. This period was marked by enriching experiences, insights, and inspiring moments.

### 1. SLIET Alumni Association's Telemedicine Centre: Revolutionizing Healthcare in Bihar

SLIET Alumni Association's Telemedicine Centre emerges as a beacon of our institution's unwavering commitment to technological evolution and societal health. Under the proactive leadership of Dr. Vivek Kumar, Chairman of Rameshwaram Family Health Care Centre, Saran, the centre has been pivotal in providing exceptional medical consultations. Dr. Vivek has garnered significant backing from the medical fraternity, liaising with doctors from esteemed institutes like AIIMS and ESIC. In its continued outreach, the centre organizes comprehensive medical camps across Bihar, offering free medications, health check-ups, health awareness sessions, counselling, and specialist consultations. The Telemedicine Centre operates solely on the gracious contributions of our distinguished alumni and their families. Inaugurated in February 2021, it was the vision of Dr. Santosh Kumar (UG-2007, GME), President of the SAA Bihar Chapter, and Er. Ashwani Kumar (UG-2009, GME), Secretary of the Association. This endeavour was bolstered by the wisdom of Er.

Hanumant Prakash Shrivastava (UG-1998, GME) and Er. Rupesh Kumar Singh (UG-2002, GME), all under the "Know Your Alumni Family"; initiative. Dr. Santosh Kumar, with fellow alumni members, has been visiting SLIETian families across Bihar, rallying them under a unified umbrella for societal upliftment.



### 2. Celebrating the Success of Mr. Alok Gupta ISRO:

Another feather in our cap is the remarkable journey of Mr. Alok Kumar Gupta (UG-2002, GCS), an alumnus from the GCS. He is currently serving as a Senior Scientist-SF at ISTRAC ISRO, BANGALORE. Mr. Gupta's contributions include his involvement in the Chandrayaan-3 launch. His achievements stand as a testament to his dedication and profound impact on the field of space exploration.



**3. Lecture by Mr. Harbir Singh: "Career Insights":** SLIET Alumnus Mr. Harbir Singh, (UG-1995, GWT) Vice President at ISGEC TITAN METAL FABRICATORS PVT LTD (Having an impressive 25 years of industry experience) delivered an expert lecture on the critical role of effective communication skills in interview success and career advancement, Encouragement for goal setting and a proactive approach to embracing new challenges in one's professional journey and comprehensive overview of the promising opportunities within the welding sector of the industry.



### 4. Visit of Alumni to their alma mater SLIET

**(i) UG1997 Computer Science Graduates:** In an atmosphere filled with nostalgia and camaraderie, the alumni from the UG-1997 Computer Science batch returned to their alma mater. This visit served as a heartwarming trip down memory lane, allowing graduates to reconnect with their academic roots and share their personal and professional journeys since their time at SLIET.

**(ii) Visit of Mr. Amit Gupta:** We were honoured to host Amit Gupta, a distinguished graduate from the class of UG-2000 (GCS), who currently serves as Vice President at Bank of America. His visit served as a source of inspiration to our current students, providing living proof of the remarkable achievements of our alumni.



**(iii) Visit of Mr. Shishir Varshney and Adarsh Shrivastav:** Shishir Varshney and Adarsh Shrivastav, alumni from the UG-2006 (GCT) batch, along with their families, paid a visit to SLIET Longowal. During their visit, they shared their industry experiences and invaluable insights with our Chemical Engineering students, contributing to their professional growth.

**(iv) Visit of Alumni from ME and EIE:** Mr. Shubham Shrestha (UG-2014, GME), Mr. Ankur Sengar (UG-204, GEE) and Mr. Umang Yadav (UG-2014, GEE) visited SLIET in a team. During their visit they interacted with officials in T&P and many students. Mr. Shubham is working in Mathworks India Inc., Mr. Ankur Sengar is working in

Accenture Strategy and Mr. Umang Yadav is working in HRS.

**5. Enriching YouTube Lecture Series by Alumni :** During the months of July to September, 2023 the SLIET Alumni Association curated a series of insightful YouTube lectures, featuring accomplished speakers and thought-provoking topics. Some notable speakers were Rajesh Bansal (UG-1995, GME) July 23, 2023, Dr. Anil Kumar (UG-1995, GWT) on July 6, 2023, . Ashok Pal Singh (UG-1995, GWT) on July 30, 2023, 4. Shashi Pal (UG-2003, GCS) on August 6, 2023, Abhishek Kapoor (UG-2002, GCS) on (August 20, 2023), . Narinder Singh Jassal(UG-1998, GME) on August 27, 2023 and Mr. Soni Goyal (UG-2001, GFT) on September 17, 2023.

## STUDENTS CORNER

### ISTE EVENTS

- ISTE organized a knowledgeable and skilful event on 12th of may 2023. The event focussed on about how much do students identify and recognise any company, brand, organization, social handles and their logos. In the event, a quiz was conducted on companies' logo.
- ISTE organized another event on August 17th, 2023 with the theme of enhancing general knowledge and aimed to test the participants' awareness of a wide range of topics. It was an opportunity for students to showcase their understanding of contemporary and historical events and activities. The event's successful execution can be credited to the guidance of the Faculty Advisor, Dr. Harish Arya, the Convener, Giridhar Kumar, and the student coordinator, Bidipta. Special recognition goes to all the dedicated members of ISTE for their efforts in making the event a resounding success.
- The Indian Society of Technical Education, in collaboration with the Communication Skill and Personality Development department, organized an Expert Talk on August 28th, 2023, at the Main Auditorium. The theme of this event was 'Communication Skills Enhancement,' and it aimed to equip students with the essential skills needed to bridge the gap in today's dynamic world. The workshop attracted an impressive turnout of over 300 enthusiastic students. The roster of experts included Dr. A.S. Arora, the Acting Director of SLIET, Rajesh Kumar,



Dean of Student Welfare, Gulshan Kumar Jawa, an Associate Professor, Professor Dhiraj Sud, Prof. Manpreet Kaur, Prof. Japreet Kaur Bhangu and the faculty advisor of ISTE Dr. Harish Arya. Each expert delivered inspiring speeches that shed light on the importance of communication skills and personality development in shaping a successful future.



- The Indian Society for Technical Education (ISTE) recently hosted a thrilling coding competition named "CodeKaze," sponsored by Coding Ninjas, which brought together coding enthusiasts from across the nation for a high-stakes showdown. The event comprised two intense rounds that challenged participants' problem-solving skills, mathematical acumen, logical reasoning abilities, and coding prowess. The first round, the "Aptitude Challenge," held on September 15th, 2023, involved mind-boggling aptitude questions and attracted 80 talented individuals. For those who successfully cleared the aptitude challenge, the real battle unfolded on September 22, 2023, in the second round, dubbed "The Ultimate Coding Challenge." With a grand prize of ₹1,500,000 up for grabs, the competition was fierce. Participants faced complex coding problems, algorithmic challenges, and real-world programming scenarios, pushing their skills and creativity to the limit.

### VISIT OF STUDENTS OF KENDRIYA VIDYALYA, SLIET AT INSTITUTE INNOVATION CELL (IIC)

IIC Cell in association with AICTE-IDEA Lab organized a visit of the students of KV, SLIET on 19.07.2023. They were briefed about 3D printing, PCB Designing, Laser Engraving as well Robotics based on-going projects at IIC. The era of Additive manufacturing and Reverse Engineering were discussed in detail. Total 34 students along with 2 faculty members visited the venue. The event held in the presence of Dr. A.S. Arora, President (IIC) and Dr. Surita Maini, Vice-President (IIC). At the end of the event, the students of K.V. had a detailed discussion about recent innovations (software and hardware) going on globally.



### SLIET LONGOWAL BE (FOOD TECH) STUDENTS EMBARK ON INDUSTRIAL TRIP

The Department of Food Engineering & Technology, organized a valuable industrial visit to two prominent Food Processing Industries on September 26th, 2023 namely M/s Mondelēz India Pvt Ltd in Ghanaur and Kandhari Beverages Pvt Ltd in Nabipur, District Fatehgarh Sahib. Accompanying the students were distinguished faculty members, including Prof. Vikas Nanda (Head of Department), Prof. Navdeep Jindal, Er. Ashwani Kumar, and Ms. Anjali Mishra.

In addition to this remarkable experience, the students also had the opportunity to explore Kandhari Beverages Pvt Ltd. which is a leading manufacturer of coca cola brand beverages. There, they gained







firsthand knowledge and observed the various aspects and equipment involved in the manufacturing of carbonated soft drinks and ready-to-serve (RTS) beverages. The students were genuinely excited to witness the rigorous quality control measures

implemented by these industries, which not only conformed to the BIS and FSSAI (food safety) standards but also met international standards.

## PHYSICS STUDENTS ACHIEVEMENTS

1. The following students of the M.Sc./22 (Physics) course have been selected to participate in 10th IAPT NSSP 2023 to be held at the Department of Physics, Panjab University, Chandigarh from 27th October to 29th October, 2023.

Paritosh Shukla, Regd. No. 2263003

Ajay Kumar Rundla, Regd. No. 2263005

Nikhil Kumar, Regd. No. 2263014

Ms. Shalini Bhattacharjee, Regd. No. 2263016

2. Ms. Akanksha Bhardwaj, research scholar with regd. No. PPH-1803 in the department of Physics attended and presented her

paper in the METANANO Summer School on Nanophotonics and Advanced Materials at QUINGDAO, CHINA, organized by University of Russia from 16-18 August, 2023. The visit was financed by DST, Govt. of India and the organizers of the school.

3. Mr. Yogeesh N from M.Sc./21 batch, Regd. No. PGPY-2150366, has been selected to pursue his Ph.D. Programme at Dept. of Physics, IIT Jodhpur.



## ADDITIONAL RESPONSIBILITIES/TENURE EXTENSION

1. Tenure of Prof. J.S. Dhillon, Professor (Department of EIE) as Dean (Academics) has been extended for a period of One Year w.e.f. 24th July, 2023.

2. Prof. Kamlesh Prasad, Professor, Department of Food Engineering and Technology has been appointed as Dean (Faculty and Staff Welfare) w.e.f. 22nd Sept. 2023 for a period of two years. Prof. Prasad has also been given additional duties of Coordinator, Internal Quality Assurance Cell (IQAC) and Public Grievance Officer (PGO) w.e.f. 6th Oct. 2023.

3. Tenure of Prof. Rajesh Kumar as Dean (Student Welfare) has been extended for a period of One Year w.e.f. 20th July 2023.

4. Prof. Surinder Singh, Professor, Electronics & Communication Engineering has been appointed as Dean (Research and Consultancy) w.e.f. 22nd Sept. 2023 for a period of two years.

5. Prof. Kamlesh Kumari, Professor, Department of Chemical Engineering has been appointed as Dean (Planning and Development) w.e.f. 22nd Sept. 2023 for a period of two years.

6. Tenure of Prof. Anupama Marwaha as Associate Dean (Student Welfare) has been extended for a period of One Year w.e.f. 24th July, 2023.

7. Tenure of Prof. J. S. Ubhi as Associate Dean (Academic Planning) has been extended for a period of One Year w.e.f. 16th July, 2023.

8. Tenure of Prof. Avinash Thakur as Associate Dean (Planning and Development) has been extended till 31.12.2023.

9. Prof. Janak Raj Sharma has been appointed as Head department of Mathematics w.e.f. 25th August 2023 for a period of one year.

10. Prof. Raj Kumar Yadav of Dept. of Mechanical Engineering has been appointed as Head of Workshop w.e.f. 20th Sept. 2023 for a period of three years.

11. Prof. Ajay Pal Singh has been appointed as Head department of Electronics & Communication Engineering w.e.f. 25th Sept. 2023 for a period of three years.

## UPCOMING EVENTS

- 26th Annual Convocation of the Institute will be held on 23rd December, 2023 in the Main Auditorium of the Institute.

- Techfest SLIET annual technical festival will be organised on April 5th and 6th, 2024. Dr.

Gulshan Jawa Associate Professor (Department of Chemical Engineering) will be the chairman of the team organising this technical mega event of the Institute.

- A Short-Term Course (Hybrid Mode) on Advancements in Material Processing and additive Manufacturing (AMPAM 2024) is scheduled from 8th January to 12th January 2024, to



be organized by the Department of Mechanical Engineering.

- One Week training programme on "Internet of Things in Automation" for the UG Final year Student of EIE, ECE and CSE from 4th to 9th Dec. 2023 to be organised by Department of EIE.

- One-week online Faculty Development Program (FDP) in hybrid mode on "Recent Trends in Additive Manufacturing (RTAM-2023)" from 18th to 22nd December 2023 to be organized by the Department of Mechanical Engineering.

- One week Short Term Training Programme on Design of Experiments and It's Applications in Engineering (DOEAE-2023) from December 4-8, 2023 to organized by Department. of Maths, ME and CSE.

- National Conference on "Advanced and Emerging Materials for Technological Application" (AEMTA-2024) during 15-16 March 2024 organized by Department of Physics, Mechanical Engineering and Electronics & Communication Engineering in collaboration with IIT Jammu, NIT Delhi and IAHT Ludhiana

**Patron :** Prof. Mani Kant Paswan, Director SLIET, **Advisor :** Dr. A.S. Arora, Dean (FSW)

**Editor-in-Chief:** Dr. Sanjeev Kumar Garg, Professor (M&H)

**Deputy Editors :** Dr. Pratibha Tyagi, Associate Prof. (EIE), Dr. Vinod Meena A.P. (Chemical Engg.),

Er. Divesh Bharti, Asst. Prof. (ME), Dr. Om Chand, Sr.Tech. (FET)

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