



# Anshumat

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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



## Special Issue

**The Azadi Ka Amrit Mahotsav means elixir of energy of independence; elixir of inspirations of the warriors of freedom struggle; elixir of new ideas and pledges; and elixir of Aatmanirbharta. Therefore, this Mahotsav is a festival of awakening of the nation; festival of fulfilling the dream of good governance; and the festival of global peace and development'**

**Narendra Modi**  
Prime Minister of India

प्रतिभा और क्षमता  
प्रतिभा हर व्यक्ति में होती है,  
लेकिन क्षमता कठोर परिश्रम से आती है।  
- माइकल जॉर्डन

अपना रोल कभी न भूलें  
आप क्या हैं, ये ना भूलें।  
मैं खिलाडी हूँ तो वही रहूँगा,  
मुझे कोच जैसा बर्ताव शोभा नहीं देता।  
मेरे लिए अहम् है सोच।  
अगर प्रोफेशनल हैं तो यह टीम की मदद करेगा।  
कोच का काम अलग है, खिलाडी का अलग।  
आप को गौरव बनाये रखने के  
लिए कुछ कर के दिखाना होगा।

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## Institute Activities



### 76<sup>th</sup> Independence Day

76<sup>th</sup> Independence Day was celebrated at Sant Longowal Institute of Engineering & Technology, Longowal. On this occasion, Chief Guest Sardar Kulwant Singh Gill, Air Marshal (Retd) and Director of the Institute Prof. Shailendra Jain hoisted the flag. The organization's NCC cadets and security personnel paraded and saluted the national flag. On this occasion, the director of the organization, Professor Shailendra Jain, saluted the revolutionaries who were martyred in the struggle for the freedom of the country, and recalled their sacrifice. He called upon the students, staff, faculty and officers that maintaining the zeal and enthusiasm exhibited by the institutes in the Azadi Ka Amrit Mahotsav of Independence celebrated throughout the year, is essentially necessary for the protection of freedom of the country.



Chief Guest Mr. Kulwant Singh Gill, Air Marshal (Retd.) in his address identified the students as the hope of the country and gave information about some unforgettable moments of service done during his tenure, inculcating the sense of



respect and pride towards the martyrs, among the students. He further called upon the audience for the commitment to sacrifice everything for the progress of the country. He appreciated the cleanliness, and greenery of the institute campus and the talent and discipline of the students displayed during the programme. On the occasion of completion of 75 years of independence, a 75 minute Sanskrit program was presented by 75 students which was full of patriotic spirit.

On this occasion of Azadi Ka Amrit Mahotsav, the institute honoured the grand senior citizen of Longowal, Sardar Najar Singh, for his remarkable contribution in social service. Research scholars and faculty were awarded for their contribution to quality publications and research projects in the institute. Along with this, the winners of the series quiz program on Azadi Ka Amrit Mahotsav, were honoured. Various genres were successfully staged in the cultural program, which enthralled the audience. Vote of Thanks was presented by Dean (Student Welfare), Prof. Rajesh Kumar.



### Important Events Marked 75<sup>th</sup> Independence Day Celebration in SLIET as Part of 'Azadi Ka Amrit Mahotsav' Initiative

'Azadi Ka Amrit Mahotsav' is an initiative of the Government of India to celebrate and commemorate 75 years of independence and the glorious history of its people, culture and achievements.

This Mahotsav is dedicated to the people of India who have not only been instrumental in bringing India thus far in its evolutionary journey but also hold within them the power and potential to enable Prime Minister Narendra Modi's vision of activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat.

Following are the five themes of Azadi Ka Amrit Mahotsav.

- Freedom struggle    ● Ideas@75    ● Resolve@75
- Actions@75        ● Achievements@75

As part of 'Azadi Ka Amrit Mahotsav', SLIET, Longowal organized Azadi Ka Amrit Mahotsav Celebration showcasing the strides taken by SLIET & its contribution in the journey of India, a number of events were organized.

**Plantation Drive:** Adopting the theme of action as part of AKAM and on the occasion of Independence day, plantation drive was initiated in the campus by the Chief Guest of the Independence Day Function, Air Marshal (Retd) Kulwant Singh Gill along with Prof. Shailendra Jain Director, First Lady of the Institute Mrs. Shobhana Jain, and Deans, Registrar, faculty and SLIET residents. Around 100 plants of different varieties (Sukhchain, Kaner, Habicus, Chandni, Gulmohar, Amaltas, etc.) were planted at different locations and along the roads to enrich the green cover and flora and fauna in the Institute.



**Cultural Program :** A cultural programme to mark the 75th independence day was held in which 75 students exhibited their talent for 75 Minutes. Chief Guest Air Chief Marshal (Retd) Sh. Kulwant Singh Gill lauded the students for their wonderful performance.



**Felicitations of Freedom Fighter:** As a part of 'Azadi Ka Amrit Mahotsav' following its theme of freedom struggle and to honour the people who sacrificed their comforts for the nation, veteran Freedom fighter Sardar Naajar Singh (92 Yrs) was felicitated by the Institute on the auspicious anniversary of Independence on 15th August, 2022.



**Exhibition on Partition Horror Remembrance Day:** An Exhibition on Partition Horror Remembrance Day was held on the eve of Independence Day on 14<sup>th</sup> Aug. The basic idea of remembering events such as the Partition, or other days that relate to a genocide or mass violence such



as the Holocaust Remembrance Day, is usually to reflect and learn the lessons from them and not let them be repeated in the future; and to honour the memory of victims. Pictures from the partition holocaust were displayed in the institute buildings.

### SLIET Quality Publication Award (SQPA) and SLIET Research Project Award (SRPA):

In order to promote Research environment in SLIET, Cash incentives and certificates were awarded to the faculty for obtaining externally funded Projects and to the research scholars for the publications in addition to the mandatory requirement of two research papers in the Web of Science journals with high impact factor. The faculty member Dr. Surinder Singh, Professor (ECE) was awarded cash prize and certificate by Director for winning Project Under Teachers Associate ship for Research Excellence (TARE) along with Dr. Amit Gupta, Punjab Technical University, Jalandhar. The project is of duration of 18 months and SLIET will get budget of Rs. 10.05 lacs under the project.



### LIST OF SQPA FOR 15.08.2022

S. No.	Name of Ph.D. Scholar and Regn. No.	Department	Amount of Award	Supervisor (s)
1	Ravneet Kaur, PFE 1804	FET	Rs.5000/-	Dr.Kamlesh Prasad
2	MohdA.Sheikh, PFE 1701	FET	Rs.5000/-	Dr.Charanjiv S Saini Dr. H.K.Sharma
3	Pawanpreet Kaur PCH1803	Chemistry	Rs.5000/-	Dr.H.K.Chopra
4	Isha Jain, PCH 1602	Chemistry	Rs. 5000/-	Dr.Payal Malik
5	Ankit Kumar, PPH 1804	Physics	Rs.5000/-	Dr. A.S. Dhaliwal Dr. Pravin Kumar
6	Shalu, PMA1804	Math	Rs.5000/-	Dr.V.K. Kukreja
7	Archna Kumari, PMA 1802	Math	Rs.5000/-	Dr. V.K. Kukeja
8	AmitK, Shakya PEC1804 /NDF	ECE	Rs.10000/-	Dr. Surinder Singh
9	Amandeep Kaur, PEC1703	ECE	Rs.5000/-	Dr.Ajay Pal Singh Dr. A. K. Aggarwal

**Har Ghar Tiranga Campaign:** As India celebrated the 75<sup>th</sup> Independence Day August 15 on 2022, Prime Minister Narendra Modi's call for "Har Ghar Tiranga" was widely adopted by the countrymen. More than 30 crore national flags were hoisted by Indians this year as we are celebrating azadi ka amrit mahotsav. This helped in strengthening the bond of National Integrity. Students, Staff, faculty and residents of SLIET came forward to hoist the tricolour or display it in their homes/work places between 13th and 15th August and uploaded their selfies with the Tricolour on the Har Ghar Tiranga website to deepen our connect with the national flag.



कुछ नशा तिरंगे की आन का है,  
कुछ नशा मातृभूमि की शान का है।  
हम लहराएँगे हर जगह ये तिरंगा,  
नशा ये हिंदुस्तान की शान का है।



**Prabhat Pheri :** Prabhat Pheri was held by the students of the Institute in the Institute to highlight the importance of Independence Day. It passed through the various routes of the Institute.



**Promotion of International Year of Millet 2023 :** To promote cultivation and consumption of millets amongst masses in the world, India's proposal to observe an International Year of Millets in 2023 was approved by the Food and Agriculture Organisation (FAO) in 2018 and the United Nations General Assembly has declared the year 2023 as the International Year of Millets. This was adopted by a United Nations Resolution for which India took the lead and was supported by over 70 nations. To initiate the celebration of the International Year of Millets in SLIET, Chief Guest Air Chief Marshal (Retd) ShKulwant Singh Gill inaugurated its promotion in the Institute on 75th Independence day in the presence of Director, deans, faculty, staff and students.

**Azadi ka amrit mahotsav Quiz :** The response for the 'Azadi ka amrit mahotsav' online quiz from faculty; staff and students was overwhelming. 14 students and 5 faculty / staff won the prize in the quiz competition. Among the students Mr. Sanjay Dhanka won one second prize, Mr. Sandharbh Kumar and Ms. Komal Kumari won the third prize and Mr. Gulshan Kumar; Ms. Archana Sinha; Mr. Anurag Saha; Ms. Palak; Mr. Ankit Kumar; Mr. Sumit Kumar; Mr. Keshav Jha; Mr. Sachin Upreti; Mr. Rahul Agarwal and Mr. Ayush Sharma won the 4th Prize. Among the faculty and staff Dr. Sunil Kumar; Ms. Murti Devi won the third prize and Mr. Rishabh Verma; Ms. Jaspreet Kaur and Mr. Satnam Singh won the fourth prize. All the winners were given the Certificate and Prize on 75th Independence Day.

### "Ujaval Bhaarat Ujaval Bhavishy" Bijalee Mahotsav on 27th July 2022

"Ujaval Bhaarat Ujaval Bhavishy" Bijalee Mahotsav was celebrated at Sant Longowal Institute of Engineering and Technology. During which Cabinet Minister of Punjab Shri Aman Arora participated as the chief guest. The festival highlighted the achievements of the Government of India and the Government of Punjab in the power sector.



### महात्मा गांधी जयन्ती समारोह आयोजित

संत लॉंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान, लॉंगोवाल में राजभाषा (हिन्दी) विकास के तत्वावधान में संत व आहिंसा के सच्चे अनुयायी महात्मा गांधी एवं 'जय जवान, जय किसान' को बुलन्द आवाज लाल बहादुर शास्त्री की जयन्ती का आयोजन 2 अक्टूबर, 2022 को संस्थान के जयदीप चन्द्र योग सभागार में किया गया। इस समारोह का शुभ आरम्भ निदेशक प्रो. शैलेन्द्र जैन ने अपने सहयोगी अधिकारियों, अधिष्ठान (शास्त्र कल्याण) प्रो. राजेश कुमार, अधिष्ठाना (संकाय एवं कर्मचारी कल्याण) प्रो. अज्ञान श्र अरोड़ा, प्रो. एम.एम. सिन्हा, कुल सचिव श्री हरि मोहन अरोड़ा, डॉ. इन्द्रराज सिंह, वा. प्रतिभा त्यागों एवं समिति सदस्य श्री जगदेक चन्द्र तथा राजभाषा (हिन्दी) विकास समिति के अध्यक्ष राज कुमार यादव के साथ मिलकर अंधकार को मिटाकर प्रकाश देने के लिए दीपों की श्रृंखलाजलि प्रभावित किया और भारत के दो महान सपुत्रों, गांधी जी एवं शास्त्री जी, को प्रतिभा को पुष्प भेंटकर नमन किया। तत्पश्चात संस्थान कुलयोग के बाद समिति के अध्यक्ष ने महात्मा गांधी जी के साथ ही साधगी व जीवन मूल्यों हित संघर्ष के अप्रतिम नायक लाल बहादुर शास्त्री को जयन्ती के अवसर पर आयोजित समारोह में सभी को भागीदारी का हार्दिक स्वागत किया तथा कोविड 19 के दौर में केन्द्र व राज्य सरकार द्वारा अहलान जारी दिशा-निर्देश के अनुष्म प्राप्त सहयोग हेतु सभी का आभार व्यक्त किया।

संत लॉंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान लॉंगोवाल- 148106

**भारत शासन अधीन सम विश्वविद्यालय**

इस अवसर पर अधिष्ठाता (शास्त्र कल्याण) प्रो. राजेश कुमार ने अपने सम्बोधन में कहा कि समिति द्वारा राष्ट्रीय अभिव्यक्ति, एकता अखण्डता व सम्पन्न हित आयोजित किये जा रहे कार्य मातृभाषा, हिन्दी दिवस, हिन्दी माह तथा सत्य अहिंसा के सच्चे अनुयायी महात्मा गांधी व जय जवान, जय किसान की बुलन्द आवाज लाल बहादुर शास्त्री की जयन्ती के आयोजन की तिथियों एवं अवधि ने संस्थान के छात्र-शास्त्राओं, कर्मचारियों, अधिकारियों एवं संकाय सदस्यों के आयोजन मन में भी अपनी जगह बना ली है और इन आयोजनों में उपस्थित लोगों के उत्साह से पता चलता है। इसके बाद अधिष्ठाता (संकाय एवं कर्मचारी कल्याण) प्रो. अजात शत्रु अरोड़ा ने गांधी जी सरलता एवं सादगी तथा शास्त्री जी के विचार, व्यवहार व कर्म पर प्रकाश डाला और कहा कि आधुनिक युग के द्वन्द्ववाद की स्थिति से के लिए विहीन गांधी के दर्शन एवं प्रधानमंत्री पद की गरिमा को गौरव का नया आयात प्रदान करने वाले शास्त्रों जो व्यवहार को अपना कर ही भारत की अप्रतिमा पहचान बन जायेगी। मुख्य विद्यार्थी मूल्य संपर्द्धक (पौष कलाम काउंसलर) प्रो. एम.एम सिन्हा ने गांधी जी एवं शास्त्री जी के विचार एवं व्यवहार पर चर्चा को तथा उनके विचार एवं व्यवहार को प्रगति को याद रखने वाले छात्रों के लिए जीवनदायी बनाया।

संस्थान निदेशक प्रो. शैलेन्द्र जैन ने अपने अध्यक्षीय सम्बोधन में गांधी जी के विचारों एवं कर्मों की व्यापकता व प्रालंनिकता को विस्तृत चर्चा की तथा शास्त्रों जी के विचार, व्यवहार व कर्म पर प्रकाश डाला। उन्होंने गांधी जी को स्वतन्त्रता, सम्मानता, सरलता, भाईचारा व मानव मूल्यों के असाधारण प्रयोक्ता, व्यवहार एवं सार्वजनिक जीवन में इन मूल्यों की प्राग-प्रतिष्ठा हेतु प्राणपण से संघर्ष को नया आयाम देने वाले उपयोग योद्धा के रूप में पहचान की तथा इनका लोहा संसार मानता है और लाल बहादुर शास्त्री जी की पहचान सत्यनिष्ठा, आत्मवल, साहस व राष्ट्रीय स्वाभिमान को प्रतिमूर्ति के रूप किया जो अनुसयनीय एवं अनुकारणीय है। उन्होंने कर्मचारियों, शोध-छात्रों तथा संकाय सदस्यों का अनुदान किया कि वे भारत के इन दो महान सपूतों, जिनकी जयन्ती एक साथ मनायी जाती है, के जीवन-दर्शन व मूल्यों को अपने जीवन में उतारे जिससे अपने जीवन में उन्नति सुनिश्चित हो पायेगे, भारत की एक विशिष्ट पहचान बन पायेगी तथा भारत की सांस्कृतिक विरासत में रपो-वमी वसुधेप कुटुम्बकम् का सपना साकार हो जयेगा।



### Tribute paid to Sant Longowal Ji on his the 37th death anniversary

A tribute ceremony was organized on the 37th death anniversary of Amar Shaheed Sant Harchand Singh Longowal ji in front of the administrative block of the Institute. On this occasion, the Director of the Institute, Prof. Shailendra Jain and the First Lady of the Institute, Mrs. Shobhana Jain, along with Dean (Students Welfare), Prof. Rajesh Kumar, Registrar, Mr. Harimohan Arora, and Public Relations Officer, Prof. Ajaypal Singh, students, staff, and faculty members and Principal of Kendriya Vidyalaya, Mr. Sanjay and his associate teachers were present at the venue of the statue of Amar Shaheed Sant Harchand Singh Longowal. All paid obeisance to the great Sant Ji.

In his address, recalling the dedication, sacrifice and sacrifice of Sant Ji towards human values, Director Prof. Jain called



upon the employees, officers and faculty members of the institute to continue working with commitment and dedication so as to Maintain its national identity. He said that Saint ji was a strong supporter of peace, unity and integrity of the country and by following the path told by him, the progress of the institute can be ensured.

On this occasion, Sardar Labh Singh, who came from Mastuana Sahib, also threw light on the life and martyrdom of the Sant Ji. Dr. Raj Kumar Yadav thanked all the people present in the function.

### Shikshak Parv 2022 celebrations

Institute organised the Shiksha Parv Conclave 2022 from 5th September onwards with a number of accountable moments and events that truly helped the students of the Institute to acquire better learning and understanding of the significance of teachers in one's life. Before the start of function, a documentary on Dr. Sarvepalli Radhakrishnan was screened from 4:30 pm to 5:00 pm on Sep. 05, 2022. The event started with welcome address by Dr. Yogesh Kapil, Co-ordinator of the event. In his address, Dean-SW Prof. Rajesh Kumar highlighted the role of teachers in nation building. In the expert talk, patron of the event and Director SLIET, Prof. Shailendra Jain shared his valuable thoughts on the importance of self learning, values of life and role of a teacher in one's life. Prof. A.S.Arora (Dean-FSW) gave the vote of thanks and also appreciated teachers for their contribution to the bright future of students, Institution and for the country.

PM Narendra Modi's address from the Shikshak Parv Conclave 2021 was also screened. More than 600 faculty, staff members and students were present in the event. Members of Happy Club and NCC Team helped in maintaining the decorum of the wholesome event. On 7th of September 2022, an online quiz and online book reading completion was held for which more than 80 students took part and out of which the best three were felicitated. The day also upvoted the remarkable moment of the exhibition, where the contribution of the great teachers of India in the Indian Knowledge System was depicted. As a part of the



Shiksha Part Conclave, An educational movie was screened in the main auditorium on 10/09/22. The movie show was based on science and technology which gave immense inspirations to the students of this institute to work for the nation building prospects.

### World Photography Day Celebrated

On the occasion of World Photography Day (19th Aug 2022), a Photowalk was organized for the students of SLIET in the morning apart from that a Photo Exhibition and an open mic were also organized by Team Sviesa. Over 100 students participated in Photowalk and showed immense interest in learning photography and cinematography. After that, the Photo Exhibition was inaugurated by Prof. S K Jain Honorable Director of the Institute in the presence of Prof. Rajesh Kumar Dean SW and Prof. Ajay Pal Singh Faculty Advisor SVIESA at 3 pm. Then Open mic in association with Sur and Rhythm started at 4 am. Several Contestants participated in Open Mic. A huge crowd had gathered at the Student Activity Centre to enjoy this special program. Under the supervision of team Convenor Juhi, the team Sviesa successfully organized all the events.



### Conduction of Student Orientation Programs

After Covid-19 pandemic, institute started its academic activities in OFFLINE mode since March 2022, after a gap of almost 2 years. Though, Orientation Programs were

conducted in ONLINE mode for newly admitted students in 2020 and 2021, which were not effective as expected. Hence, need was felt to re-arrange the same. After a through discussion in Deans/HoDs meeting, institute decided to organize Orientation Programs for every batch. Accordingly, Orientation Programs were organized as per following schedule –

S.No.	Date	Target Group	Co-ordination(s)
1	10 Aug 2022	UG-2019 (BE Final Yr)	Prof. Kamlesh Kumari
2	11-12 Aug 2022	UG-2020 (BE 3rd Yr)	
3	16-17 Aug 2022	ICD-2020 and ICD-2021 (ICD 2nd and 3rd Yr)	Dr Gulshan Jawa
4	24-28 Aug 2022	UG-2021and LIEET-2022	Prof. Kamlesh Kumari Dr. Indraj Singh & Dr. Prabhdeep Kaur
5	5-16 Sept 2022	ICD-2022 (1st Yr ICD)	Dr Gulshan Jawa Dr. Manoj Goyal



The orientation programs were appropriately designed and organized by Prof. Rajesh Kumar, Dean (SW), with the personal guidance of Prof. Shailendra Jain, Director SLIET, with an objective to sensitize students about Academic Rules & Regulations, Campus Living, Hostel System, Student Clubs (Technical, Professional, Social, Cultural, Literary) and Extra/Co-curricular Activities, Group learning, Team spirit, Training & Placement Activities, Counselling System etc.

To make them aware about Physical Fitness special sessions were planned on Sports, PT, Yoga, Musical Yoga, Meditation, Health Care & Hygiene, Sachhata & Environment, Creative Art, Universal Human Values. Expert talk on Career in Engineering, Professional Ethics and Motivation were also arranged by external speakers. It is believed that these efforts will help students to plan their campus life, learning and future goals in a planned and systematic manner, with moral and ethical values.



### Live Telecast of 5G Launched by Honourable Prime Minister

ECE department has organized a live telecast of 5G launched by Prime Minister Sh. Narinder Modi on October 1, 2022, in Pragati Maidan, New Delhi. Students from different courses of ECE department participated in the program. Dr. Dilip Kumar, Prof. (ECE), Er. Vipul Singhal AP(ECE), Dr. Kundan

Kumar, AP(ECE) and Er. Vishal Sharma Guest Faculty (ECE) coordinated the event under the supervision of Dr. Surinder Singh, HOD(ECE).



### EXPERT TALKS/SEMINARS/WORKSHOPS/ CONFERENCES/ STTP/FDP

#### Seminar on "Neuro Linguistic Programming"

A seminar on "Neuro Linguistic Programming" was organized by the Department of Management and Humanities on 22nd September 2022. **Dr. Smita Jha, Professor IIT Roorkee** and a qualified NLP expert from London was the key note speaker. The main aim of the seminar was to improve the Graduate Outcome of the Institute and it was attended by more than 120 degree students. The highlight of the seminar was the interactive session where the queries of the students were well addressed. The Programme was coordinated by Dr. Pardeep Kumar Jain, Dr. Parveen Kaur Khanna and Dr. Mandeep Ghai.



### STTP on 'Mentoring Pedagogy and Classroom Delivery Enhancement Techniques'

Department of Mechanical Engineering in association with IIT Guwahati organized 6 days National Interdisciplinary Faculty Development Programme (FDP) on 'Mentoring Pedagogy and Classroom Delivery Enhancement

Techniques' from July 4th, 2022 to July 9th, 2022. The proposed FDP programme was an effort towards making teachers learn about innovative, advanced pedagogical techniques for their own professional development which in turn would be beneficial for their students as well. The FDP was aimed to provide a platform where teachers spanning from across India could interact and exchange their views. This FDP program began with the inaugural session adorned by the presence of Prof. Shailendra Jain, Director SLIET and Chief Patron, Prof. J.S. Ubhi on behalf of Dean Academics, Prof. A.S. Shahi, Chairman and Head of Mechanical Engineering Department, Prof. Manas P Bhuyan and Prof. Debdeep Saha, IIT Guwahati. They and shared their experiences with the audience and gave their best wishes to the participants. In this course 34 (Thirty-four) participants from various parts of the country attended and got benefited. Dr. J.S. Gill, AsP (ME) and Dr. Mohd. Majid were the coordinators of the program.



### Self-Sponsored Course on "2D Graphics for Scientific Reporting" (2DGSR 2022)

A Self-Sponsored Course on "2D Graphics for Scientific Reporting" (2DGSR 2022) was organized by the Department of Mechanical Engineering during 25-29 July 2022. The course was Coordinator by Dr. Sunil Kumar, (AP, ME), Mr. Surinder Kumar, (AP, ME) and Dr. Vivek Kumar, (AP, ME).



**Coordinators**  
Dr. Sunil Kumar, (AP, ME)  
Mr. Surinder Kumar, (AP, ME)  
Dr. Vivek Kumar, (AP, ME)  
Mechanical Engineering, SLIET Longowal

Sant Longowal Institute of Engineering & Technology  
(Deemed to be University, under UGC, Government of India)  
Longowal, Sangrur (Punjab) - 148 106, India.  
[www.sliet.ac.in](http://www.sliet.ac.in)



### International Conference (hybrid mode) on Advanced Functional Materials: Future Perspectives (AFMFP-2022)

The Department of Chemistry organized an International Conference (hybrid mode) on Advanced Functional Materials: Future Perspectives (AFMFP-2022) in collaboration with Dr B R Ambedkar National Institute of



Technology, Jalandhar, Defence Institute of Advanced Technology, Pune and Université de Bejaia, Algeria during August 6-8, 2022. The aim of the conference AFMFP-2022 was to create a platform to bring together the faculties, researchers, students, and Industrial experts for exchanging the latest research advancements in materials and interdisciplinary areas towards the sustainable technological development. The conference was inaugurated by Prof. Rajeev Ahuja, Director, IIT Ropar. Eminent speakers from across the globe delivered talks on functional materials. More than 160 participants registered for the conference, 78 posters were presented along with 40 oral presentations in various categories. Proceedings of the conference will be published in peer review journal, Materials Today (IF.1.47).

## EXPERT TALK ON "NEW TRENDS IN X-RAY SCATTERING AND VALIDATION OF DENSITY FUNCTIONAL THEORY"

The Department of Physics organised an expert talk on "New trends in X-ray scattering and validation of density functional theory". Prof. B.L. Ahuja "Emeritus-Scientist" (CSIR) and former Professor of Physics, Mohan Lal Sukhadia University Udaipur (Rajasthan) delivered this talk on 26th September, 2022. Prof. S.S. Verma (HOD), Prof. A.S. Dhaliwal, Prof. M.M. Sinha and all faculty of the department extended a floral



welcome to the resource-persons. The main purpose of the event was to provide and share information regarding the new trends in X-ray scattering and DFT (Theoretical Modelling for determine the band gap of new emerging materials) and start up and the way to succeed in the field of Material Science. Prof. Ahuja motivated students with his wise words to actively come forward in this field. The event saw participation of nearly 60 students (RS/M.Sc. (Chemistry and Physics)).

## EXPERT LECTURE SERIES BY SLIET ALUMNI

The Department of Food Engineering and Technology initiated an Expert lecture series. In this series the first lecture was organized on the topic "Manufacturing Excellence (Industrial Performance)" on September 9, 2022, in the Mini Auditorium of the Computer Science Block. The lecture was delivered by one of our alumni, Pratiksha Sharma.

**Pratiksha Sharma** is a qualified technocrat with B.Tech. Food Technology from 2011 – 2014 from Department of Food Engineering & Technology, SLIET and currently working as a Deputy Manager- Industrial Performance in Savencia Fromage & Dairy, India.

Lecture was attended by around 129 participants including students, faculty and staff.

Department of Food Engineering & Technology was grateful to have honorable Director, SLIET Dr. S.K. Jain. During the session, Director, SLIET facilitated the speaker alumni Pratiksha Sharma with memento and gifts. The facilitation ceremony was also attended by Dr.M.B.Bera, Dr.C.S. Saini, Dr. C.S. Riar, Dr. Sukhcharan Singh, Dr. Navdeep Jindal, Er. Ashwani Kumar and Lakshmi Narayan Singh.



## Hand on Training programme on Knowledge Sharing and Capacity Building

Ahands-on training programme on "Knowledge Sharing and Capacity Building Workshops for Precision Agriculture using UAVs Techniques in the South and Southeast Asian Region" was organized under externally funded collaborative project during 13-17 July 2022 at Universiti Teknologi MARA, Kota Kinabalu, Sabah, Malaysia. The purpose of the workshop was to promote UAV/drone-based precision agriculture techniques to the farmers. The training programme was attended by 50 participants including farm owners, representatives from the Ministry of Agriculture & Food Industries (MAFI) Malaysia, Sabah Forestry Development Authority (SAFODA) Malaysia, and government & private agencies. A demo on field data collection using UAVs and pesticide



spraying with drones was also provided along with collaborators discussion with farmers and participants.

### TRAINING PLACEMENT ACTIVITIES

During July to September 2022 following activities have been conducted by the Department of Training and Placement of the Institute.

#### Campus Placement activities

During July to September 2022 under able guidance of Prof. Shailendra Jain, Director, SLIET and the department of Training and Placement had successfully conducted the virtual hiring process of different corporates for the batch 2019-2022 students as per the table given. Also, department of T&P worked to attract the MNC's as Day-I Sharing companies for campus placement of our students. The department of T&P is working for the virtual / physical hiring process for students in different companies.

S. No.	Name of the Company	No. of Selected Students
1	Infosys Limited	07
2	L&T Technology Services	26
3	Cognizant Technology Solutions India Pvt Ltd	02
4	Kangaro Industries Ltd.	02
5	Recruit Crm	2



### SPORTS ACTIVITIES

On eve of National Sports Day (29.08.2022), cross country race for boys and girls was organized. A total of 202 students participated in the event and first 5 positions in boys category as well as in girls category were awarded prizes. Refreshment was arranged for all the participants.

**Boys :** Vikalp Sharma /GFT 2130057, Gurpreet Singh /CDE 2110224, Akshay Kumar /CAC 2110869S, Ankalp Sharma /CFT 203005, Abhay Rana /GCT 2232022

**Girls:** Swati Kumari/GEE 2040269, Prity Rani/GCS 2130462, Vaishnavi Kumari/CSME 2110422, Ruby Kumari/GEE 2130264, Komal Kumari/GEE 2040269

Director SLIET presided over the function.

**TUG OF WAR** Competition was held on 10.09.2022 for ICD students during conduct of induction program

**PUNJAB KHEL MELA (01.09.2022-07.09.2022)** was held at Sangrur in which SLIET students participated in Athletics,

Kabaddi, Volley Ball, and Badminton. Following students were awarded medals:

Sr.no	Number of Students/Girls	Game	Awards
1.	Khushdeep Kaur/CPF2010110	Discus Throw	1st
2.	Muskan Kumari/CTV2110375	Long Jump	1st
3.	Swathi Kumari/GEE2040269	400mtr	2nd
4.	Sohani Kumari/CAF2010716	1500mtr	2nd
5.	Ritika Anand/CBM2010834	High Jump	2nd
6.	Rubi Kumari/GEE2130264	High Jump	3rd
7.	Komal Kumari/GIN2130602	20mtr	3rd
Sr.no	Number of Students/Boys	Game	Awards
1.	Sagar Kumar Sharma/GME2130748	Long Jump	1st
2.	Divyang Kumar/CTD2110783	Shotput	1st
3.	Tushar/GME2130332	Long Jump	1st
4.	Sudhir Kumar/CWG2010564	Long Jump	2nd
5.	Divyang Kumar/CTD2110783	100mtr	2nd
6.	Tushar/GME2130332	100mtr	3rd
7.	Vishnu Priya Yashi/GME2030409	Badminton	1st



### Inter-Hostel Badminton Tournament

On 25<sup>th</sup> September 2022, Badminton tournament was organized among the students of boys' hostel-7 and 8. The tournament was graced by the presence of **Prof. Shailendra Jain, Director SLIET and Dean Student Welfare Prof. Rajesh Kumar, Dr. Indraj Singh (Boys hostel), and Mr. Parshant, Badminton coach.** The Event was declared open with an opening match among the Director SLIET, Dean student

welfare, Chief warden and Badminton coach. The event was coordinated by **Dr. Vivek Kumar** (warden BH-07), **Er. Divesh Bharti**, (warden BH-07), **Er. Sumit kumar** (warden BH-08), **Er. Rahul Gautam** (warden BH-08), **Sh. Narender Garg** (care take BH-07 and 08), **Members of sports and Discipline committees of BH-07 and BH-08**.

On 28<sup>th</sup> September, semifinal matches were played among the winners of quarter finals. The first semifinal match was played between **Naman Narula & Ashish** and **Aarush Sharma & Pappu Kumar**, the winner amongst them were **Naman Narula & Ashish** and the second match was played between **Dr. Vivek Kumar & Er. Divesh Bharti** and **Amitesh Tripathi & Aman Kumar** and the winner amongst them were **Dr. Vivek Kumar & Er. Divesh Bharti**.

The finals were played on 28<sup>th</sup> September 2022 between the team of **Dr. Vivek Kumar & Er. Divesh Bharti** vs **Mr. Naman Narula & Mr. Ashish**. The team of **Mr. Naman Narula & Mr. Ashish** won the tournament.



## HEALTH CENTRE ACTIVITIES

The following activities/events were organized by Health Centre during the period July 1, 2022, to September 30, 2022.



## COVID-19 VACCINATION UNDER AZADI KA AMRIT MAHOTSAV

Health Centre organized COVID-19 Vaccination camps as a part of the Azadi ka Amrit Mahotsav celebration during 15 July to 30 September 2022.

During this period door to door awareness campaigning was run and multiple camps were organized in the institute. This has benefited many students, faculty and staff members.

## TRAINING PROGRAM ON BASIC LIFE SUPPORT SYSTEM

A session on Basic Life Support / CPR was organized by the Health Centre on 07.07.2022 at Mini Auditorium CSE Block. More than 50 students, faculty and staff participated in this event. They were educated and given the necessary skills and knowledge on how to provide required first aid during cardiopulmonary arrest in day-to-day life.

Dr Vinay Singhal, Add. Director, Critical Care, and his team



from Fortis Hospital, Ludhiana had given the training. It was an interactive and educative session which raised the knowledge and skill to carry out CPR.

## STUDENTS' ACTIVITIES & ACHIEVEMENTS

**SLIET STUDENT SELECTED FOR STATE CHAMPIONSHIP**  
Vishnu Priya Yashi (GME2030409) was selected for State Championship in Badminton.

**IEEE Pre-University STEM Portal Grant Program 2022 :** Students of the UG program of Electrical Engineering and Instrumentation Engineering visited PEDDA Building Chandigarh for one-day Education Tour of the Green Building under the IEEE Pre-University STEM Portal Grant Program to 2022. The project coordinator Dr. M. S. Manna Senior Member IEEE & Chair PSI Delhi Section, along with Ms Anshuka Bansal, AsP EIE Department, took 52 students for this program on 15th September 2022 from SLIET to PEDDA Chandigarh as to mark the celebration of 163rd Engineers Day. The project engineer of PEDDA Mr. Rohit, welcomed all students and took to them for whole building overview including all electrical installations related to solar energy generation, monitoring and controlling equipment etc.

**EDUCATIONAL TRIP TO IIT ROPAR :** The Department of Physics organized a one-day educational tour to Indian Institute of Technology-Ropar (IIT-Ropar) on September 13, 2022. M.Sc. students along with faculty visited the various research centres and laboratories of the IIT. The visit proved to be a great way to arouse curiosity in the minds of students and was a thrilling and

motivating experience. This visit has helped the students in the development and interpretation of scientific knowledge. Initially, Prof. R. Kumar (HOD-Physics) welcomed all the students/faculties in his department and then the students visited the Labs in the department. In the various centres, students witnessed the hand on experience of various research facilities such as Sputtering Chamber, CVD System, Solar Simulator, etc. Students learned about new research in their field and this educational trip turned out to be fruitful and the students enjoyed the day thoroughly. Another project manager also given the complete architectural view and designing knowledge, how the building could optimum utilize the sunlight as well as natural air circulation to keep the building in a green pattern. During the tour students interacted with Dr Inderpreet Kaur Vice Chair IEEE PSI Delhi Section present over there and made notes for their future learning. The day tour was conducted very successfully with complete support from the Prof. Surita Maini, Head of the Department of Electrical & Instrumentation Engineering and the transportation facility was provided from the institution.

**NCC ACTIVITIES:** Participation of SLIET cadets in Annual Training Camp -119 at Dr. B.R. Ambedkar College, Roshanwala, Sangrur. An Annual Training Camp (ATC-119) was conducted at Dr. B.R. Ambedkar College, Roshanwala, Sangrur from 11th to 18th September 2022. Total 55 Cadets (36SD, 19 SW) attended this camp. NCC SLIET were divided in E-COY & BRAVO company. NCC SLIET cadets have won total 59 medals (22 gold, 19 silver, and 18 bronze). Performance of NCC SLIET in the various activities was remarkable and SLIET cadets won top positions in quiz competition, Videography, Dance, Tug of war, Solo Dance, Gymnastics, Volleyball, Group Singing etc.

**GROUP PRE RDC TEAM SELECTION/PREP :** During the Annual Training Camp (ATC-119), conducted at Dr. B.R.

Ambedkar College, Roshanwala, Sangrur from 11th to 18th September 2022, 13 SLIET NCC Cadets have been shortlisted for further selection and training for Pre RDC (Republic day camp) selection as per nominal attached. The cadets reported at Govt Ripudaman Nabha wef 24 Sep 2022 to 26 Sep 2022.

### FACULTY NEWS & ACHIEVEMENTS :

#### SLIET selected for Visvesvaraya PhD scheme:

Project proposal submitted by Prof. J.S. Ubhi has been selected for Visvesvaraya PhD Scheme for Electronics and IT by the Ministry of Electronics and Information Technology, Government of India to receive a grant of Rs. 1 crore for PhD student fellowship and infrastructure development. The objective of the scheme is to enhance the number of PhDs in Electronics System Design and Manufacturing (ESDM) and IT/IT enabled Services (IT/ITES) sectors in the country. Under this scheme, institute will get 03 additional PhD seats in ECE/CSE departments on which selected candidates will get 25% more fellowship than in other PhD schemes. Apart from student scholarship, this scheme also provides Research Contingency Grant of Rs. 18 lakhs to support the enrolled research scholars under the scheme. Director SLIET congratulated Prof. Ubhi & extended best wishes for successful completion of the project.



**Book Published:** Prof. Dhiraj Sud and Dr. Anil Kumar Singla published an edited book entitled "Nanomaterials in Manufacturing Processes" by CRC press, Taylor and Francis Group. This book focuses on the application of nanomaterials across a wide range of manufacturing areas, including in paint and coatings, petroleum refining, textile and leather industries, electronics, energy storage devices, electrochemical sensors, as well as in industrial waste treatment.



### RETIREMENTS



Dr. B.K. Kanungo has retired from the post of Professor (Chemistry) on attaining age of superannuation on 31.07.2022 after serving the Institute for more than 31 years. He had joined the Institute on 26.03.1991 as Assistant Professor (Chemistry). The Institute wishes Dr. B.K. Kanungo for happy and healthy life.



Dr. Kuldip Singh Maan has taken VRS on 12.07.2022 and retired from the post of Professor (Physics) after serving the Institute for more than 30 years. He had joined the Institute on 01/09/1992.2009. The Institute wishes Dr. Kuldip Singh Maan for happy and healthy life.



Mr. Raj Kumar Goyal has retired from the post of Associate Professor (Maths.) on 30.09.2022 on attaining age of superannuation after serving the Institute for more than 30 years. He had joined the Institute on 21/02/1992 as Lecturer (Maths.). The Institute wishes Mr. Raj Kumar Goyal for happy and healthy life.



Shri Dharam Vir Sharma has retired from the post of Supervisor Maintenance (Civil) on 31.08.2022 on attaining age of superannuation after serving the Institute for more than 25 years. He had joined the Institute on 20.06.1997. He worked in the Maintenance and Horticulture wing in the Estate Office and Department of Mechanical Engineering. The Institute wishes Shri Dharam Vir Sharma for happy and healthy life.

### ADDITIONAL RESPONSIBILITIES



Prof. Pardeep Kumar Jain, Professor, Department of Management and Humanities has been appointed as Part-Time Chief Vigilance Officer (CVO) in Sant Longowal Institute of Engineering and Technology for a period of three years w.e.f. 01.09.2022.



Tenure of Dr. A.S. Dhaliwal, Professor, Department of Physics as Dean (research and Consultancy) has been extended further for a period of one year w.e.f. 18.09.2022.



Tenure of Dr. P.S. Panesar, Professor, Department of Food Engg. and Tech. as Dean (Planning and Development) has been extended further for a

period of one year w.e.f. 18.09.2022.



Tenure of Dr. Kulwant Singh, Professor, Department of Mechanical Engg. as Head (Workshop) has been extended further for a period of one year w.e.f. 08.09.2022.



Tenure of Dr. V. K. Kukreja, Professor, Department of Mathematics as Head of the Department of Mathematics has been extended further for a period of one year w.e.f. 25.08.2022

### Team 'ANSHUMAT'

**Patron:** Dr. Shailendra Jain, Director SLIET, **Advisor:** Dr. A.S. Arora, Dean (FSW)

**Editor-in-Chief:** Dr. Sanjeev Kumar Garg, Associate 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)

**Secretarial Assistance:** Sh. Hind Bhushan, UDC (Director Office)