



# 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 लौंगोवाल अभियांत्रिकी एवम् प्रौद्योगिकी संस्थान लौंगोवाल-148106

भारत शासन अधीन सप्त विश्वविद्यालय

Visit 'ANSHUMAT' at <http://sliet.ac.in/newsletter/>

## DIRECTOR SLIET PROF. MANIKANT PASWAN : WE WILL MAKE SLIET AN EPITOME OF HIGHER EDUCATION



Prof. Manikant Paswan joined as Director, SLIET Longowal and has been serving the Institute since 15<sup>th</sup> July, 2023. Prof. Manikant Paswan is on deputation from National Institute of Technology Jamshedpur, where he is serving as Professor in Mechanical Engineering.

Here are some excerpts from 'ANSHUMAT' interview with Prof. Manikant Paswan, Director, SLIET in dialogue with Prof. Sanjeev Kumar Garg, Editor-in-Chief of the newsletter :

**ANSHUMAT Q. 1: SLIET has been a pioneer in technical education. How do you view the New Education Policy (NEP) and its implications for institutions like SLIET? What is the approach to integrating the New Education Policy (NEP 2020) into its academic framework?**

**Prof. Paswan :** SLIET has embraced the New Education Policy (NEP 2020) as a transformative guideline for redefining our educational offerings. We are focusing on multidisciplinary education, flexibility in curriculum design, and promoting holistic development through vocational training and skill enhancement programs. The policy's emphasis on research and innovation aligns with our commitment to nurturing future-ready graduates. The New Education Policy is indeed a transformative step towards creating a more holistic and flexible education system. At SLIET, we see it as an opportunity to enhance our curriculum, promote interdisciplinary learning, and integrate practical skills with theoretical knowledge. The emphasis on research and innovation aligns well with our vision of producing industry-ready professionals.

Continued on page 15-16



विफलता से सीखो  
विफलता कोई अंत नहीं, बल्कि एक नया आरंभ है।  
इससे सीखो और भी मजबूत बनो।

मेहनत का कोई विकल्प नहीं  
सफलता का कोई शॉर्टकट नहीं होता। कड़ी मेहनत और समर्पण  
से ही आप अपने लक्ष्यों को प्राप्त कर सकते हैं।



### TABLE OF CONTENTS

| News  | Page  |
|---|-------|
| • INTERVIEW DIRECTOR SLIET  | 1     |
| • IMPORTANT EVENTS, ACTIVITIES AND ACHIEVEMENTS                                       | 2     |
| • 75 <sup>th</sup> Republic Day Celebration   | 2     |
| • MOUs signed between NHPC and SLIET  | 2     |
| • SLIET secures NBA accreditation   | 2     |
| • PARIKSHA PE CHARCHA 2024  | 2     |
| • SRIJAN 2023- SLIET Annual Magazine released   | 3     |
| • Internships and Trainings Organized by IIC for Jawahar Navodaya Vidyalaya           | 3     |
| • SLIET's Remarkable Achievement in Unnat Bharat Abhiyan (UBA)                        | 3     |
| • Madhuram '23 Prize Distribution   | 3     |
| • Cancer Care Camp  | 4     |
| • Registration Camp for Persons with Disabilities                                     | 4     |
| • National Youth Parliament Sitting   | 4     |
| • Free Coaching Classes for SET 2024  | 5     |
| • Youth-O-Thon organised at SLIET   | 5     |
| • Team EMMET Secures Victory in Prototype Phase                                       | 5     |
| • Lakshya - with Arsh Goyal   | 5     |
| • SLIET Launches New Courses  | 5     |
| • Literacy Project at SLIET   | 6     |
| • FDP/STTP/CONFERENCES/TALKS/LECTURES/SEMINARS/WORKSHOPS                              | 6     |
| • Short Term Course (Hybrid Mode) AMPAM 2024  | 6     |
| • Office Automation Workshop at SLIET   | 6     |
| • NPTEL Awareness Workshop on SWAYAM Courses  | 7     |
| • STTP on Green Energy  | 7     |
| • STTP on Technology for Agriculture  | 7     |
| • Two Days Workshop on Catalyzing Diversity in Science - GWB-24                       | 7     |
| • Expert lecture on "Biomass Conversion to Renewable Fuels"                           | 8     |
| • Workshop on Industry Institute Interaction for CSE students                         | 8     |
| • One Week FDP on Advanced Pedagogy in Higher Education                               | 8     |
| • Workshop on "New Era of Technology"   | 8     |
| • IMPORTANT DAYS/MONTHS/ PAKHWADAS  | 8     |
| • Earth Day   | 8     |
| • National Youth Day: Strengthening Bonds and Raising Awareness                       | 8     |
| • World Water Day Celebration   | 8     |
| • National Voters Day Celebration   | 9     |
| • World Environment Day   | 9     |
| • Yoga Day  | 9     |
| • National Technology Day   | 9     |
| • 12 <sup>th</sup> annual Day of Happy Club   | 9     |
| • NSS/NCC CORNER  | 9     |
| • NCC Unit at SLIET Longowal Displays Exemplary Zeal on 75 <sup>th</sup> Republic Day | 9     |
| • Pingalwara Visit  | 9     |
| • Project Jagrukta by NSS SLIET   | 10    |
| • TRAINING AND PLACEMENT CORNER   | 10    |
| • Campus Placement Activities   | 10    |
| • General Health Awareness and Social Issues  | 10    |
| • ALUMNI CORNER   | 10-11 |
| • FUN CRICKET (techFEST'24)   | 12    |
| • FACULTY CORNER  | 12    |
| • STUDENTS CORNER   | 12    |
| • ADDITIONAL RESPONSIBILITIES/TENURE EXTENSION  | 13    |
| • PROMOTIONS  | 14    |
| • RETIREMENT NEWS   | 14    |
| • UPCOMING EVENTS   | 14    |
| • DIRECTOR INTERVIEW CONTINUED  | 15-16 |

Visit 'ANSHUMAT' at <http://sliet.ac.in/newsletter/>

## IMPORTANT EVENTS, ACTIVITIES AND ACHIEVEMENTS

### 75<sup>th</sup> Republic Day Celebration

The 75<sup>th</sup> Republic Day was celebrated with great enthusiasm at Sant Longowal Institute of Engineering and Technology. The event commenced with the traditional flag-waving ceremony, where Dr. Mani Kant Paswan, the Director of SLIET, hoisted the national flag outside the main auditorium. The parade by security guards and the impressive display by NCC cadets added to the patriotic fervour. Inside the auditorium, the cultural fest began with the ceremonial lighting of lamps. Dr. Paswan, along with other dignitaries, addressed the gathering. More than 500 students participated, showcasing their talents through various performances. The event concluded on a sweet note, spreading happiness and reinforcing the importance of unity and love for the nation.



### MOUs signed between NHPC and SLIET



MOU is signed between NHPC (National Hydroelectric Power Corporation) and SLIET Longowal at Chandigarh Regional office of NHPC. Prof. Mani Kant Paswan, Director SLIET Longowal signed MOU with NHPC executive Director, Sh. Nirmal Singh & Ind. Director, Dr. Amit Kansal in the witness of Prof. Surinder Singh, Dean (R&C), Sh. Hari Mohan Arora, Registrar, SLIET Longowal and Sh. Anurag Choudhary Group Senior Manager, Ms. Ruby Raina General Manager (Law & HR), ED GM, GSM NHPC, Chandigarh. NHPC sponsoring Cycleone project of Rs 11.50 Lakhs to SLIET Longowal under the Chairmanship of Dean (R&C), Convenor Dr. Manoj Goyal, members: Dr. Gulshan Jawa, Ms. Preetpal Kaur Butter & Sh. Jujhar Singh.

### SLIET secures NBA accreditation

The accreditation of the following undergraduate programs at the Institute has been accorded by the National Board of Accreditation (NBA) for the Academic Years 2024-25 to 2026-27 valid until June 30, 2027:

1. UG-Electrical Engineering
2. UG-Electronics & Communication Engineering
3. UG-Instrumentation & Control Engineering
4. UG-Food Technology
5. UG-Chemical Engineering
6. UG-Mechanical Engineering
7. UG-Computer Science & Engineering

The accreditation details have been updated on the NBA website and can be accessed via the following link: [NBA Accreditation](#).

The credit of this feat goes to Team SLIET led by Director, **Prof. Mani Kant Paswan**. Team SLIET expresses its gratitude to the director his unwavering support, guidance, and tireless efforts in achieving this significant milestone. The accreditation of all the UG programs has been granted by the NBA for a period of three years. We hope that the SLIET community will continue to work with the same zeal and enthusiasm in the future, ensuring that the Institute remains in a position to secure accreditations of all UG programs for an extended duration.



### PARIKSHA PE CHARCHA 2024

Pariksha Pe Charcha is part of the larger movement - 'Exam Warriors' - led by our Honourable Prime Minister Shri Narendra Modi ji, to create a stress-free atmosphere for youngsters. It is a movement that is driven by Prime Minister Narendra Modi's efforts to



bring together students, parents, teachers and the society to foster an environment where the unique individuality of each child is celebrated, encouraged and allowed to express itself fully. Pariksha Pe Charcha (PPC) is an annual event taking place each year, since 2018 and in this event Hon'ble Prime Minister Shri Narendra Modiji interacts with students, their parents and teachers. On the occasion of Pariksha Pe Charcha 2024 on 29th January at 11:00 am, Hon'ble Prime Minister Narendra Modi interacted with students, their parents and teachers and this event was telecast online through all TV/internet sources all over the country. The Prime Minister urged everyone to put exams in the right perspective, rather than making it a life-and-death situation punctuated by undue stress and pressure. Students and teachers of Sant Longowal Institute of Engineering and Technology, Longowal (SLIET) Punjab, participated in this event under the able-guidance of its Director, Dr. Mani Kant Paswan. More than 450 teachers, staffs and students of SLIET watched this mega event at different venues (SMART CLASSROOMS), which was arranged at various departments of SLIET, as shown in the following shots.

## SRIJAN 2023 - SLIET Annual Magazine released

On April 25, 2024, SLIET proudly unveiled its annual magazine, "SRIJAN 2023," in the esteemed presence of Dean (SW) Prof. Rajesh Kumar, Dean (Acad) Prof. J.S Dhillon, Dean (P&D) Prof. Kamlesh Kumari, Dean (R&C) Prof. Surinder Singh, and Director SLIET Prof. Manikant Paswan. The event celebrated the collaborative efforts led by Chairman of the Magazine and Profile Committee, Prof. Sanjeev Kumar Garg, along with the entire faculty team. Student Editor-in-Chief Rohit Raj, alongside Soumya, Adwit, Prakhyat, and the entire team, received certificates of appreciation from all dignitaries. The proceedings commenced with an address by Dean (SW), followed by insights from Director SLIET and concluded with a gracious vote of

thanks by Prof. Sanjeev Kumar Garg. This edition of "SRIJAN" stands as a testament to SLIET's commitment to excellence in academia and creative expression. For more updates and to explore the magazine, visit [www.sliet.ac.in](http://www.sliet.ac.in).



## Internships and Trainings Organized by IIC for Jawahar Navodaya Vidyalaya

Institute Innovation Cell (IIC) SLIET organized "Internship Program" for the students of Jawahar Navodaya Vidyalaya Longowal under PM SHRI program from 17<sup>th</sup> Feb. to 24<sup>th</sup> Feb. 2024. Total 81 students of J.N.V. Longowal got hands-on training on the modules of Additive Manufacturing, Internet of Things, Welding and Solar Energy Harvesting &quot;

Institute Innovation Cell (IIC) SLIET organized "Linkage Programs" for 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup> and 9<sup>th</sup> class students of Jawahar Navodaya Vidyalaya Longowal under PM SHRI program from 27<sup>th</sup> Feb. to 01<sup>st</sup> March 2024 and 4<sup>th</sup> March to 7<sup>th</sup> March 2024. A total number of 272 students of J.N.V. Longowal got hands-on training on the modules of Additive Manufacturing, Internet of Things, ML and Cyber Security, PCB Designing and Soldering De-soldering, and AutoCAD. The two slots, pre and post lunch sessions were organised. The students were

imparted structured experiences, presentation, interactions, Practical exposure, dynamic and engaging interactive sessions to provide the hands-on experience for latest topics. The Linkages with Sector Skill aimed at resolving their queries through practical and relatable methods. The students were equipped with practical skills and a comprehensive understanding of various concepts, ready to apply their knowledge in real-world scenarios.



## SLIET's Remarkable Achievement in Unnat Bharat Abhiyan (UBA)



The Sant Longowal Institute of Engineering and Technology (SLIET) has achieved a significant milestone by ranking among the top five best performing

institutions in the region for its outstanding contributions to the Unnat Bharat Abhiyan (UBA). This prestigious recognition comes after a thorough evaluation of 170 institutions, underscoring SLIET's exemplary impact and engagement in this flagship Government of India program. Unnat Bharat Abhiyan (UBA) is an ambitious initiative aimed at transformative rural development. Launched by the Government of India, UBA harnesses the resources and expertise of higher educational institutions to drive sustainable growth in rural areas. The program's mission is to bridge the gap between academia and rural communities, enabling institutions to work closely with villagers to address development challenges and create impactful solutions. SLIET's significant contributions to UBA include promoting organic farming and conducting various capacity-building programs. By organizing workshops and seminars, SLIET has effectively reached out to rural populations, delivering essential knowledge and support directly to their communities. A key driver of this success is Prof. Mani Kant Paswan, Director of SLIET, whose leadership has been instrumental in guiding the institute's UBA initiatives. Under Prof. Paswan's stewardship, SLIET has effectively aligned its efforts with

UBA's goals, enhancing its impact on rural development. The project is led by Prof. (Dr.) Pardeep Kumar Jain as the project coordinator, with Prof. Manoj Goyal serving as co-coordinator. They are supported by a dedicated team, including Prof. Parveen Kaur Khanna, Prof. Mandeep Ghai, and Prof. Sanjeev Kumar Garg. Together, they have played a crucial role in the success of SLIET's UBA projects, reflecting the institute's commitment to advancing rural development and academic collaboration.

## Madhuram'23 Prize Distribution

Under the esteemed leadership of Dr. Mani Kant Paswan (Director, SLIET), Madhuram'23-an annual cultural fest-unfolded with vibrancy and talent. Students from diverse backgrounds showcased their skills in singing, dancing, skits, and more. The event, graced by Chief Guests Professor Rajeev Ahuja (Director, IIT Ropar) and Raghavendra P. Tiwari (Vice-Chancellor of Central University of Punjab, Bathinda), fostered a sense of belonging and creativity. The fair, filled with music, food, and joy, left lasting memories.



## Cancer Care Camp



SLIET Health Centre in association with World Cancer Care society, organized a cancer screening and awareness camp on 15.03.2024. The aim of the camp was to create awareness of common cancer, its early detection so that the disease can be controlled in initial stage. Organizers of this camp, Professor Sushma Gupta and Navneet Goyal welcomed all the dignitaries and camp was started by lighting the lamp by

Mr. Manikant Paswan, Director of SLIET Longowal and Mr. Varinder Kumar Vijay Ji, National Convener of Unnat Bharat Abhiyan, Dean faculty Prof. Kamlesh Parsad, Head of Sheron Gausala Shri. Chandan Muni Ji Maharaj. Dr. Parminder Singh Dhillon, head of the cancer care team Dr Dharminder Singh Dhillon, Dr. Rupesh Singh, members of baba Mehar Dass pao charitable committee. Dr. Dhillon and his colleagues checked up 661 people and aware the people that how we can avoid the upcoming problems regarding cancer.

Diagnosis was conducted for cancer of cervix, breast, prostate, oral cavity etc. All the testing facilities were provided with use of advanced equipment by experts from World Cancer Care Society free

of cost. Total 661 number of people from SLIET and nearby villages like Longowal, Duggan, Kunran, Manderan, Sheron, Bahadurpur, Pindi Kehar Singh, Kila Bharian, BhammaBhaddi etc. were diagnosed in the camp.

In the run-up to the camp, sarpanches and NGOs in the nearby villages were contacted. Baba Mehar Dass Pau Charitable Committee at SLIET gate Duggan contributed a lot. The organizers held many meetings with them in Health Centre. Flex's were pasted at main locations in villages and pamphlets were distributed. Bhai Diala Public School and Gurudwara Mastuana Sahib were contacted for providing buses. They also came forward to help for the common cause. Two buses were provided by Bhai Dyala School and three by Gurudwara Mastuana Sahib. These buses were used to ferry people from villages to Health Centre. The camp started at 10.00 AM and continued till 4.00 PM. In this duration, as many as 661 persons were examined for various tests. All the peoples were ovided with tea, langar throughout the camp duration. Students from happy club came forward to volunteer for helping the old people.

## Registration Camp for Persons with Disabilities

The Registration Camp for Persons with Disabilities, held at SLIET Longowal, Punjab, was a resounding success. Organized by the Department of Disability and NSS SLIET, the camp provided essential equipment to empower individuals with disabilities. Wheelchairs, walking aids, hearing aids, and other assistive devices were distributed, overcoming mobility and communication barriers.

The event's impact extends beyond equipment provision-it signifies a commitment to inclusivity, dignity, and empowerment. By fostering a supportive environment, the camp contributes to a more inclusive society where everyone thrives. The event was Coordinated by Dr. Manoj Goyal (HOD, DDS), Dr. Gulshan Kumar Jawa (Faculty Coordinator, NSS SLIET) Mr. Rohit Raj (Student Coordinator, NSS SLIET)



## National Youth Parliament Sitting



This event was conducted 15th February 2024 in the J C BOSE Hall from 4:00 PM to 6:00 PM. It was coordinated by Dr. Gulshan Kumar Jawa (Chairman, NSS, SLIET) and Dr. Yogesh Verma (Faculty Advisor) and the team of Project रण. MR. Gaurav Khullar (state executive member Punjab and Former District President, BJP, Jagraon, Ludhiana) was invited as the chief guest of the showcasing. Additionally, Mr. Kailash Kamboj (Principal lead, Forbes Marshall, India) was invited as Guest of honour.

The event started with the guest reception. After that, National Youth Parliament Sitting took place. This was followed by addressing by Dr. Gulshan Jawa (Faculty Coordinator NSS SLIET), Dr. Rajesh Kumar (Dean SW), MR. Gaurav Khullar (Chief Guest), Mr. Kailash Kamboj (Guest of honour) and Director SLIET. After that, the best speaker from the National Youth Parliament was honoured with mementos and Rohit Raj (Student Coordinator NSS, SLIET), Project Leaders of Project रण were felicitated. The program ended with the national anthem and photo session.

## Free Coaching Classes for SET 2024

Free coaching classes for ICD (Diploma) entrance test are being successfully organized by SLIET under community Development Program from 15/03/24. About 220 students of nearby area are presently attending the classes. Director SLIET Prof. Manikant Paswan today visited the coaching centre along with Organisers Prof. C S Riari, Prof SS Verma and Prof J.R Sharma. Director addressed the students and appraised about development initiative taken by SLIET for local area development and education and wishes for their bright future.



Team EMMET, under the guidance of Dr. Ajat Shatru Arora (Professor, Department of EIE) and Dr. Jagdeep Singh (Assistant Professor, Department of CSE), has achieved a remarkable triumph in the “Prototype Phase of Open Competition for the Indian Web Browser Development Challenge”. The Ministry of Electronics and Information Technology (MeitY), Government of India, sponsored this competition, with the support of key organizations including

## Team EMMET Secures Victory in Prototype Phase



Centre for Development of Advanced Computing: C-DAC, Aatmanirbhar Bharat, CCA India, G20 MyGov India, Digital India, NIXI, PKI India.

## Youth-O-Thon organised at SLIET

On April 5, 2024, SLIET Longowal hosted the Youth-o-Thon workshop as part of techFEST’24 (prefest). The event brought together industry experts, focusing



on the pivotal role of youth in engineering, innovation, and sustainability. Participants engaged in discussions, workshops, and networking sessions, exploring ways to shape a more sustainable future. Mr. Sanjeev Raman, Chairman of the IACC Jharkhand Chapter, and Mr. Balvinder Jindal were the esteemed speakers and guests at the event. Dr. Gulshan Kumar Jawa, Chairman of techFEST’24, opened the proceedings with an overview. Honorable Director Dr. Manikant Paswan of SLIET Longowal delivered an inspiring speech. The coordination was expertly handled by the techFEST’24 team, including Mr. Rohit Raj, Mr. Kishan Kashyap, Mr. Arjun Sharma, and Ms. Sakshi Priya. The event concluded with a vote of thanks from Dean (SW) Dr. Rajesh Kumar.

The Prototype Phase Win was a highly competitive event, with eight victorious teams each receiving ₹10 Lakhs as an award. Team EMMET & victory is a testament to their dedication, innovation, and commitment to the vision of an Aatmanirbhar Bharat. Out of the eight victorious teams in the Prototype Phase, each receiving ₹10 Lakhs as an award, Team EMMET stands out for their dedication, innovation, and commitment to the vision of an Aatmanirbhar Bharat. This achievement underscores our unwavering commitment to innovation and advancing indigenous technological solutions.

## Lakshya - with Arsh Goyal



On March 6, 2024, SLIETians had the honour of hosting Arsh Goyal- an inspiring figure-for an engaging afternoon. His humility and dynamic personality left an indelible mark on all who attended. During the encounter, the students learned valuable lessons: active engagement in conversation, timely follow-up with industry experts, and thorough research about the person of interest. As we eagerly await more updates on techFEST’24, this mosaic of connections promises exciting opportunities for learning and growth. The event was Coordinated by teamTECHFEST’24, CSPDC and SSDC.

## SLIET Launches New Courses

SLIET under the visionary guidance of Prof. Manikant Paswan, Director of SLIET Longowal, has launched new courses from the academic year 2024-25

These courses span a range of disciplines, from cutting-edge technology to innovative business strategies, designed to equip students with the skills and knowledge needed to excel in their chosen fields.

These courses will shape the future and provide advantage of new learning opportunities.

**Sant Longowal Institute of Engineering & Technology**  
(Deemed-to-be University) Under Ministry of Education, Govt. of India  
Longowal-141016, Dist. Sangrur, Punjab, India

**ADMISSION OPEN 2024**

**FOR B.E CIVIL ENGINEERING**

**ABOUT US**  
SANT LONGOWAL INSTITUTE OF ENGINEERING & TECHNOLOGY (SLIET) WAS ESTABLISHED BY MINISTRY OF EDUCATION, GOVERNMENT OF INDIA IN 1984 WITH REGRADUATE PROGRAM AND HIGHER SECONDARY SYSTEM. THE INSTITUTE IS RISING INTEGRATED IDENTIFIABLE QUALITY, ETHICAL, PERSONAL, AND SOCIAL PROGRAMS IN THE ENGINEERING AND TECHNOLOGY SECTORS AND MANAGEMENT.

**ACCREDITATION**  
NBA NAAC NIRF

**5-YEAR INTEGRATED B.Sc. - M.Sc. PROGRAMS**  
PHYSICS  
CHEMISTRY  
MATHEMATICS

**4 Month Course in Indian Knowledge System**  
**1 Year Course in Bee Keeping (Food Technology)**

**M.Tech (Food Safety & Quality Assurance)**

**MOBIL INFORMATION**  
☎ 0182-285-130  
📧 WWW.SLIET.AC.IN  
📍 SLIET, LONGOWAL-141016 (PB) INDIA

**Contact Us**  
📧 CHAIRMANSET24@GMAIL.COM

## Literacy Project at SLIET

Education holds a paramount significance in an individual's life, serving as a transformative force that paves the path to success. To champion this noble cause, The LITERACY PROJECT was initiated at SLIET, embodying the belief that education is a beacon of hope and empowerment. It is heartening to note that NSS (National Service Scheme) has engaged enthusiastic ICD 1<sup>st</sup> year to ICD 3<sup>rd</sup> year students in the LITERARY PROJECT, exemplifying the spirit of "NOT ME BUT YOU." These dedicated volunteers tirelessly support their fellow students, sharing the gift of knowledge and contributing to the creation of a brighter and more secure future for all. The radiant smiles on the faces of these students bear testament to the impact of NSS, as they fondly recall the support that has aided their academic progress. Under the umbrella of the LITERACY PROJECT, NSS has initiated a comprehensive SET-24 preparation series, led by

a dedicated team. This moment is a source of immense pride for the NSS team, as it exemplifies their unwavering commitment to the motto "NOT ME BUT YOU." NSS Volunteers

have been active participants in this event, further underscoring the transformative power of education. NSS's LITERACY PROJECT is making significant strides in realizing this vision as well for the underprivileged students of nearby villages.



## FDP/STP/CONFERENCES/TALKS/LECTURES/SEMINARS/WORKSHOPS

### Short Term Course (Hybrid Mode) on Advancements in Material Processing and Additive Manufacturing (AMPAM 2024)

One Week Short Term Course (Hybrid Mode) on **Advancements in Material Processing and Additive Manufacturing (AMPAM 2024)** was organized by the Department of Mechanical Engineering, SLIET, Longowal from 8<sup>th</sup> -12<sup>th</sup> January 2024. The **Coordinator of STC AMPAM 2024** was **Prof. Shankar Singh** and **Co-coordinators** were Prof. Indraj Singh and Er. Divesh Bharti. The Chairperson of AMPAM 2024 was HOD (Mechanical) Prof. A.S. Shahi. In this regard, the inauguration of **AMPAM 2024** was held in the Mechanical department on 8<sup>th</sup> January 2024. The Chief Guest for the Inaugural function was **Prof. Mani Kant Paswan, Director SLIET, Longowal** (Chief Patron AMPAM 2024) and the **Guest of Honour** was **Prof. J.S. Dhillon, Dean (Academics) SLIET, Longowal** (Patron AMPAM

2024). The function was also attended online/offline by Deans and HoDs of the SLIET. The objective of this short-term course (STC) was to put together **research and developments** related to advances in **materials processing** and to introduce the relevant features of **additive manufacturing**, to keep up with ever-increasing demands towards **Industry 4.0/5.0**. On the inaugural day, the **Chief Guest Prof. Mani Kant Paswan, Director SLIET**, delivered the **Keynote address** on "Manufacturing-Past, Present & Future", which was praised by the audience, as well as the participants. The Valedictory Function of **AMPAM 2024** was held on **12<sup>th</sup> January 2024**. **Chief Guest** was **Prof. Mani Kant Paswan, Director SLIET** and the **Guest of Honour** was **Prof. J.S. Dhillon, Dean (Academics) SLIET**. **Sixteen speakers** in total delivered expert talks in **five days** STC. Out of **16 experts**, **three International Speakers** were from **Northern Ireland (UK)** [Ulster University], **Singapore** [National University of Singapore], and **USA** [Iowa State University]. A total of **eligible 105 participants** from different Engineering Universities/ Institutes/ Colleges participated in the STC -AMPAM 2024 from different states of India. **Seventy-three faculty members** attended this STC, out of which six were from SLIET (internal). **Sixteen Research Scholars** also participated in STC from all over India. **06 PG** and **09 UG** students attended the STC. In addition, **one Postdoctoral Research Fellow** participated in AMPAM 2024.



### Office Automation Workshop at SLIET

SLIET Longowal has inaugurated a one-month "Office Automation" workshop for Multitasking Staff, organized by the Department of Computer Science and Engineering. The workshop aims to enhance staff proficiency in using Microsoft Word for efficient document creation and editing.

The event was graced by **Prof. Mani Kant Paswan, Director of SLIET Longowal**, along with **Prof. Kamlesh Prasad (Dean FSW)**, **Prof. Major Singh (Head T&P)**, and **Prof. Birmohan Singh (Head, Computer Science and Engineering)**. The workshop is coordinated by

**Dr. Utkarsh** and **Dr. Tajinder Singh**, Assistant Professors in the CSE department.

This initiative highlights SLIET Longowal's commitment to staff development and overall growth.



## NPTEL Awareness Workshop on SWAYAM Courses

NPTEL Awareness Workshop on SWAYAM Courses, in collaboration with LC NPTEL and the Literary Committee was organised during tech FEST'24 on 15<sup>th</sup> March 2024. Prof. Manpreet Kaur of



Electrical and Instrumentation Department, SLIET guided the students about the vast landscape of learning opportunities offered by NPTEL and SWAYAM courses. Attendees were introduced to the diverse range of online courses and learning opportunities available on the SWAYAM online learning platform, covering various disciplines. They were also encouraged to leverage these resources for skill development, to increase their academic pursuits and stay updated of the latest advancements in their respective fields.

## STTP on Green Energy

A one-week short-term training programme on Green Energy for Sustainable Development was organised in hybrid mode during 18-22 March 2024 by the department of electrical and instrumentation engineering, SLIET Longowal.



During the five days programme, the potential of renewable energy sources such as solar, wind, hydro, and biomass, and their impact on mitigating climate change, reducing environmental degradation, and promoting economic growth was explored. A total of 12 lectures of duration one and half hour each were delivered by experts in various fields relevant to the theme of the course. A total of 75 participants attended to this short-term training programme. Dr. Charanjiv Gupta and Dr. Ashwani Aggarwal were the coordinators of the programme.

## STTP on Technology for Agriculture



One-week Short Term Training Program (STTP) on “Technology for Agriculture” was organized in hybrid mode by the Department of Electronics and Communication Engineering, SLIET Longowal from 5<sup>th</sup> February 2024 to 9<sup>th</sup> February 2024. The inauguration of the program was held on 5 February 2024 with the esteemed presence of Dr. Mani Kant Paswan, Director SLIET, and Dr. Surinder Singh, Dean (R & C) who graced the occasion. The function was also attended by faculty members, staff members, and participants in the hybrid mode. The focus of this STTP was state-of-the-art agricultural technology highlighting Precision agriculture, Drip irrigation, Organic farming, Remote sensing, Drone technology, Greenhouses/polyhouses, Farm machinery, IoT for agriculture, etc. Thirteen speakers in total delivered expert talks in this STTP. 66 participants from different Agriculture Engineering Universities, Institutes, and organizations who have actively participated from various parts of India. The coordinators of this STTP were Dr. Sarbjeet Singh and Prof. Dilip Kumar. Prof. Ajay Pal Singh, Head of the Department (ECE) was the chairman of this STTP.

## Two Days Workshop on Catalyzing Diversity in Science – GWB-24

The Department of Chemistry, SLIET, Longowal has organized an Two Days Workshop on Catalyzing Diversity in Science under an International Union of Pure Applied Chemistry (IUPAC) initiative Global Women Breakfast-2024 from 21.02.2024 to 22.02.2024. The in-house workshop was organized to foster inter-departmental collaborations and to promote inclusive multi-disciplinary research. Invited lectures along with a Poster Session for Post Graduate and Ph.D. Students were organized. SLIET Faculty Members have delivered lectures on Diversity in Science and technology. For the Poster Session more than 110 participants registered under five different Clusters. More than 200 faculty and students attended the workshop.



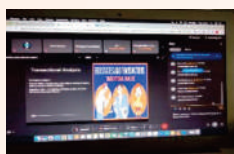
## Expert lecture on "Biomass Conversion to Renewable Fuels"



An Expert lecture on "Biomass Conversion to Renewable Fuels" by Dr. Sreedevi Upadhyayula, (Professor, Department of Chemical

Engineering, IIT Delhi) was organized successfully by the ACT, department of chemical engineering on 13/03/2024. The lecture was compulsory for the UG-final year and pre-final year & Ph.D scholars of Chemical Engineering department.

## One Week FDP on Advanced Pedagogy in Higher Education



The Department of Chemistry, SLIET, Longowal in collaboration with E&IT Academy, IIT Guwahati has organized a One Week FDP on Advanced Pedagogy in Higher Education from 25-29 Feb 2024. More than 73 Faculty Members participated in the FDP

from different institutes across India.

## Workshop on "New Era of Technology"

A workshop on "New Era of Technology" was organized by Dean (R&C) of the institute on 16/04/2024 from 3.00 P.M. onwards in the Computer Auditorium (CSE Block). Prof. Ashutosh Kumar Singh,

The Department of Computer Science and Engineering, SLIET organized the Workshop on Industry Institute Interaction for CSE students on 14<sup>th</sup> March 2024. The objective of this workshop was to prepare engineering



students for jobs in multinational companies, by exposing them to newer technologies and engineering methodologies. Dr. Birmohan Singh (Convener and HOD CSE) addressed the UG students in the morning session. Dr. Manminder Singh (Coordinator) addressed the ICD students in the evening session. In the morning session the Ansh InfoTech team explored various aspects of DevOps to the GCS students that's being currently used in IT industry. In the evening session the team Ansh InfoTech covered the Cybersecurity topic with the ICD students.

A total of 84 GCS students participated in the morning session and 83 students of ICD participated in the evening session in this Workshop. Practical sessions on DevOps and Cybersecurity were demonstrated by the team Ansh InfoTech. The Workshop on Industry Institute Interaction for CSE students proved to be very fruitful for the participating UG and ICD students

Director, IIIT Bhopal on Quantum Machine Learning and Cloud Computing'an expert in the field enlightened the audience about the New Era of Technologies

## IMPORTANT DAYS/MONTHS/ PAKHWADAS

### National Youth Day: Strengthening Bonds and Raising Awareness

On January 12, 2024, students from SLIET Longowal marked National Youth Day by visiting the Badrukhan old age home. This initiative, part of the National Community Engagement Academic Network, fosters connections, encourages collaboration, and raises public awareness. It's heartwarming to see young minds actively engaging with the elderly and contributing to a more compassionate society.



### World Water Day Celebration

On March 22, 2024, a seminar was organized to commemorate World Water Day. Distinguished guests, including Prof. T. S. Kamal (former President of Punjab & Chandigarh IET), Er. Moudi (Vice President of IET), Dr. Lav Singh (President of IET), and Er. Surinder Singh (Secretary of IET) graced the event. Notably, Prof. Dheeraj Sood, Prof. A. P. Singh, Prof. Rajesh, and Dr. Manikant Paswan (Director of SLIET Longowal, Punjab) were also present. The seminar aimed to raise awareness about water-related issues and foster collaboration. Mr. Rohit Raj, Mr. Kishan Kashyap, Ms. Sakshi Priya and Ms. Soumya Shailja, along with the entire techFEST'24 team, coordinated the successful event.



### Earth Day

SLIET celebrated Earth Day on April 29, 2024, in the Science Block, focusing on the theme "Earth Systems Science, Environment Preservation, and Government Policies." Prof. Vinod Mishra coordinated the event, with Director Prof. Manikant Kant Paswan as the Chief Guest. Prof. Paswan emphasized the importance of preserving Indian culture and knowledge, urging students to explore the scientific and technological aspects of these traditions for human welfare. He also highlighted the potential for integrated research between ancient and modern knowledge systems. Prof. Vinod Mishra discussed earth dynamics, including seismic waves, electromagnetic waves, and geo-fluid dynamics. The key

speaker, Prof. Dhiraj Sud from the Department of Chemistry, addressed plastic waste and recycling issues. Other prominent faculty members, including Prof. Rajesh Kumar, Prof. R.K. Mishra, and Prof. S.S. Verma, attended the event.



Around eighty students participated, with some presenting oral and PPT presentations. Awards were given for quizzes and posters across various academic categories, and over 150 certificates were distributed to participants in different events.



## National Voters Day Celebration



On January 25, 2024, SLIET Longowal hosted a vibrant National Voters Day Celebration. Honorable Prime Minister Narendra Modi engaged with youth, particularly first-time voters and students. District officials were also in attendance. Dr. J.S. Gill (Faculty Coordinator, SELC), Dr. Gulshan Kumar Jawa (Faculty Coordinator, NSS SLIET), Prof. P.K. Jain, Prof. Rajesh Kumar (Dean SW), and Dr. Manikant Paswan (Director, SLIET) graced the event. SDM Sunam acted as the chief guest. The coordination was led by the NSS SLIET and SLIET Electoral Literacy Club teams.

Dr. J.S. Gill (Faculty Coordinator, SELC), Dr. Gulshan Kumar Jawa (Faculty Coordinator, NSS SLIET), Prof. P.K. Jain, Prof. Rajesh Kumar (Dean SW), and Dr. Manikant Paswan (Director, SLIET) graced the event. SDM Sunam acted as the chief guest. The coordination was led by the NSS SLIET and SLIET Electoral Literacy Club teams.

## World Environment Day



On June 5<sup>th</sup>, 2024, SLIET Longowal celebrated World Environment Day with a significant tree plantation drive. The event was led by **Prof. Mani Kant Paswan**, Director of SLIET Longowal, along with all the Deans of the institute.

This initiative aimed to promote environmental awareness and contribute to a greener campus. The participation of students, faculty, and staff highlighted the collective commitment of the SLIET community to environmental sustainability.

We look forward to seeing the positive impact of this plantation drive on our campus and the environment.

## 12<sup>th</sup> Annual Day of Happy Club

SLIET Longowal is a place where every activity is celebrated with full joy and enthusiasm. In this spirit, the 12<sup>th</sup> Annual Day of the Happy Club was celebrated with great fervor. The event was graced by the honorable Professor Mani Kant Paswan, Director of SLIET Longowal, whose presence added to the significance of the celebration.

Under the guidance and motivation of our esteemed Director,

Professor Mani Kant Paswan, SLIET continues to excel in all fields, delivering the best in education, research, and community engagement.



## NSS/NCC CORNER

### NCC Unit at SLIET Longowal Displays Exemplary Zeal on 75<sup>th</sup> Republic Day

On the momentous occasion of the 75<sup>th</sup> Republic Day, observed on January 26, 2024, the National Cadet Corps (NCC) unit at Sant Longowal Institute of Engineering and Technology (SLIET) participated in the institute's Republic Day parade with unwavering enthusiasm. The parade featured the first-year cadets, who, under the guidance of their leader, demonstrated impeccable file formations. Additionally, the second-year cadets, led by Cadet Jasdeep Singh, showcased their precision drill.



As the cadets marched in harmonious synchronization, their attire-crisp and dignified-embodied the core values and ethos of the NCC. Their movements, executed flawlessly, bore witness to their unwavering commitment to serving our nation. The pride gleaming in their eyes was a testament to their dedication and sense of duty.

The NCC unit's spirited participation in the Republic Day parade stands as a proud moment for SLIET Longowal, reinforcing the spirit of patriotism and discipline among its cadets.

### Pingalwara Visit



The NSS SLIET volunteers visited Pingalwara in Sangrur, on 30/04/24 and 31/04/24 where they were deeply moved by the dedication and care shown by the staff towards the residents. Witnessing the organization's commitment to providing a safe and

nurturing environment left a lasting impression on the volunteers. Dignitaries from Pingalwara interacted with and addressed the volunteers, emphasizing the importance of social work in improving the lives of marginalized communities. Overall, the visit highlighted the profound impact of community and compassion in creating positive change.

The visit was Coordinated by Dr. Manoj Kumar Goyal (Faculty Co-Coordinator, NSS SLIET), Rohit Raj (Student Coordinator, NSS SLIET).

## PROJECT JAGRUKTA BY NSS SLIET



Under the Jagrukta project aimed to create awareness among students, SLIET organized study tours for government school students, exposing them to Higher Education Institutes. From January to April 2024, over 500 schools and more than 10,000 students (9<sup>th</sup> to 12<sup>th</sup> standard) visited SLIET. Activities undertaken for Students were : Interaction sessions on career awareness, motivation, innovation, patriotism, humanity, and higher education opportunities, Campus tours (academic and non-academic facilities), Laboratory tours, Hostel living and mess dining experiences Classroom culture, Sports and fitness activities, Recreational programs.

## TRAINING AND PLACEMENT CORNER

During the **January to March 2024** following activities have been conducted by the Department of Training and Placement of the Institute:

### Campus Placement activities

During **January to March 2024** under able guidance of Dr. Mani Kant Paswan, Director, SLIET, department of Training and Placement had successfully conducted the hiring process of difference corporates for the batch 2020-2024 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 & Internship 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                               | BOOKING KOALA, LLC                                 | 01                       |
| 2                               | TORRENT GAS PVT. LTD                               | 05                       |
| 3                               | ZSCALER  | 03                       |
| 4                               | GODREJ & BOYCE MFG. CO. LTD., MUMBAI               | 01                       |
| 5                               | UNTHINKABLE SOLUTIONS, HISAR (DAFFODIL)            | 01                       |
| 6                               | KUANTUM PAPERS MILL                                | 07                       |
| 7                               | VARDHMAN TEXTILES LIMITED                          | 01                       |
| 8                               | HPCL-MITTAL ENERGY LTD                             | 06                       |
| 9                               | JOHNSON CONTROLS                                   | 01                       |
| 10                              | SAFEAEON, MOHALI                                   | 03                       |
| 11                              | CENTRAL RESERVE POLICE FORCE (CRPF) as ASI (TECH.) | 01                       |
| 12                              | L&T TECHNOLOGY SERVICES LIMITED                    | 06                       |
| 13                              | RALSON (INDIA) LIMITED                             | 01                       |
| 14                              | INDIAN NAVY  | 01                       |
| 15                              | ISOFTRA DIGITAL PVT LTD                            | 01                       |
| 16                              | SHREE CEMENT LMITED                                | 07                       |
| 17                              | INTERNATIONAL TRACTORS LIMITED, SONALIKA GROUP     | 07                       |
| Following detail for Internship |  |                          |
| 1                               | TOYO INK INDIA PRIVATE LIMITED                     | 01                       |
| 2                               | RADICO KHAITAN LTD                                 | 08                       |
| 3                               | SHIVAKARI ENGINEERING PRIVATE LIMITED              | 01                       |
| 4                               | JSW STEEL COATED PRODUCTS LIMITED                  | 01                       |
| 5                               | ERECTION INSTRUMENTATION PRIVATE LIMITED GHAZIABAD | 01                       |
| 6                               | SARPWEB TECHNOLOGY PVT. LTD.                       | 05                       |
| 7                               | KANGARO INDUSTRIES LIMITED (KGOC GLOBAL)           | 02                       |
| 8                               | ISGEC Heavy Engineering Ltd, Yamuna Nagar          | 01                       |
| 9                               | BARMALT MALTING INDIA PVT LTD.                     | 02                       |
| 10                              | CLERISY SOLUTIONS PVT LTD                          | 01                       |
| 11                              | MITARSH ENERGY PVT LTD                             | 01                       |
| 12                              | Techtweek Infotech, Mohali                         | 01                       |
| 13                              | IMMERSIVE TECHNOLOGIES, GURUGRAM                   | 01                       |



PHOTO WITH TEAM OF KUANTUM PAPERS MILL DURING PLACEMENT DRIVE

## General Health Awareness and Social Issues

SLIET Longowal's Department of Training and Placement hosted an interactive session led by guest speaker Mr. Kulwant Singh Dhaliwal. The focus was on 'General Health Awareness and Social Issues.



## ALUMNI CORNER

### Entrepreneurs, HR, Recruiter Meet 2024 (EHR Meet 2024)

On 16<sup>th</sup> May 2024 the Entrepreneurs, HR, Recruiter Meet 2024 (EHR Meet 2024) unfolded with grandeur at Sant Longowal Institute of Engineering & Technology, Longowal. The event commenced with a momentous Deep Prajawalan by esteemed dignitaries including Director SLIET, Prof. Manikant Paswan, and key figures such as Dean Alumni & Industrial Relations Prof. Ravikant Mishra, Dean Research & Development Prof. Surinder Singh Sodi, and Dean Student Welfare

Dr. Rajesh Kumar, alongside other distinguished entrepreneurs and recruiters.

Dean A&IR, R.K Mishra, warmly welcomed the attendees and provided a comprehensive briefing, setting the tone for the event. The 1<sup>st</sup> phase of sessions commenced with valuable insights from industry leaders. Mr. Ashok Pal from SMC Corporation, Mr. Harpreet Singh from Brahm Robotics Pvt. Ltd., and Sh. Vikas Gupta, MD at

Namoh Technologies, offered their perspectives, particularly focusing on the mechanical orientation of industries. Keynotes on the Future of Workplace Talent and Jobs were delivered by Sh. Arpit Narang, HR Manager at AIPL, followed by a succinct address by the Director of SLIET.

A stimulating Panel Discussion ensued, featuring representatives from both academic institutions and industry stalwarts. From the institution's side, Dean (A&IR) and Dean (R&C) shared their insights, while industry luminaries including Sh. S.S Puri, Director & CEO Fateh Rural Pvt. Ltd., Mr. Rupesh Kumar Singh from Techno Solutions, Sh. Gaurav Chhatwal, Owner of R.G & Company, Sandeep Sharma from R N S Industries, Vikas Gabba from Vishakha Ram & Sons, Sangrur, contributed to a vibrant exchange of ideas.

Following the enriching discussions, a Facilitation Ceremony honored notable contributors, paving the way for Dr. Major Singh Goraya (Head Training and Placement) to deliver a gracious Vote of Thanks.

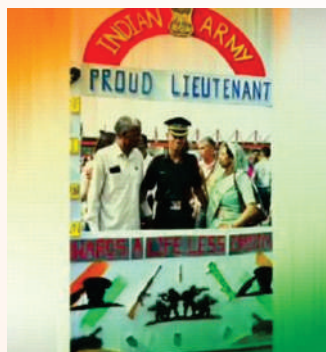
### Alumni Interaction Session in Department of Food Engineering and Technology

SLIET's Department of Food Engineering and Technology recently hosted an interactive session for students. Esteemed alumni, including Mr. Satish Bhorkade, shared valuable insights. Director SLIET, Professor Mani Kant Paswan, emphasized the significance of alumni-student interactions. The session offered practical knowledge and networking opportunities for students.



### Lt. Harish Bhatti: Inspiring Transformation from NCC Cadet to Commissioned Officer

March 9<sup>th</sup>, 2024 marked a significant milestone as Lt. Harish Bhatti transitioned from an esteemed NCC Cadet to a commissioned officer at OTA Chennai's passing out parade. His journey inspires transformation and underscores the importance of unwavering commitment to service.



### Rajeev Arora (UG-1995): Pioneering Innovations in Chemical Engineering

Rajeev Arora, a luminary of the UG-1995 batch (GCT-120/95), continues to revolutionize the field of Chemical Engineering. As the Director of ANA College of Engineering and Technology and the Principal of Krishna Institute of Polytechnic Bijnor, his recent patent stands as a testament to his pioneering spirit and relentless pursuit of excellence.

In the second phase of the event, students were strategically matched with recruiters and industrialists based on their interests and specializations. This immersive experience provided students with invaluable insights into various industries while allowing recruiters to identify and potentially recruit promising talent for full-time employment based on their demonstrated potential.

The Entrepreneur, HR, Recruiter Meet 2024 (EHR Meet 2024) served as a dynamic platform fostering collaboration between academia and industry, shaping the future landscape of talent and jobs in the workplace.



### Upendra Nath Singh (PG 2005): Guiding the Way to Civil Services Excellence

In a testament to perseverance and dedication, Upendra Nath Singh's triumph in cracking the prestigious UPSC examination serves as a guiding light for aspiring civil servants, embodying the spirit of excellence that defines our institution.



### General Body Meeting of Alumni

Key Discussion Points from Alumni Meeting: - Increasing alumni involvement in mentorship, expert sessions, projects, internships, placements, and industrial visits.

- Establishing alumni chapters at state/city/country levels and getting them centrally recognized.
- Plans for an Alumni Guest House, with a Rs 1 lakh contribution received.
- Routing all donations through the official SAA bank account for transparency.
- Exploring Corporate Social Responsibility (CSR) funding.
- Engaging alumni to provide resources for institute facilities and activities.
- Setting criteria and timeline for SAA executive committee elections by February 2024.

The meeting covered various initiatives to strengthen alumni-institute connections and develop new facilities/programs with alumni support. Minutes were documented for future reference.

### SPORTS NEWS

**Cricket Tournament:** From Jan 25<sup>th</sup> to 29<sup>th</sup>, 2024, SLIET's cricket grounds buzzed with talent and camaraderie. Cheers, skill, and lasting bonds—it was all there!

**Tennis Tournament:** Scenic courts, agility, and heart-





stopping rallies defined the Open Lawn Tennis Tournament (Jan 27<sup>th</sup>-29<sup>th</sup>, 2024). Mutual respect and love for the game prevailed.

**Tug of War:** On Jan 26<sup>th</sup>, 2024, Hostel 10 emerged as champions, showcasing strength and teamwork. Hostel 8 secured the

runner-up position. Unity and spirit defined this gripping tournament.

**SLIET at Cricket Tournament in PEC Chandigarh :** From April 6<sup>th</sup> to April 8<sup>th</sup>, 2024, cricket fever gripped the prestigious Punjab Engineering College (PEC), Chandigarh, as it played host to the Inter-Technical Cricket Tournament. Among the array of participating institutions, the SLIET made its mark with a display of skill and sportsmanship. With each boundary and wicket, SLIET's team showcased their prowess on the cricket field, leaving a lasting impression on spectators and competitors alike.

### FUN CRICKET (tech FEST'24)

Sports Section organised 'FUN CRICKET EVENT' during techFEST'24 on 15<sup>th</sup> March 2024 in which Dean's, Faculty and Staff were present. On March 19, 2024, FUN CRICKET EVENT kicked off by playing a friendly match between Warrior 8 (Dean FW's Team) and Champion 8 (Dean SW's Team) in Cricket Stadium, SLIET. Champion 8 (Dean SW's Team) emerged victorious in this friendly encounter.



### FACULTY CORNER

#### Prof. J. S. Dhillon received the Er. Gurcharan Singh Oration Award



Prof. J. S. Dhillon received the Er. Gurcharan Singh Oration Award conferred by Punjab Academy of Sciences during 27<sup>th</sup> Punjab Science Congress held at the Desh Bhagat University (February 7, 2024) for Achievements and contributions in Electrical sciences

#### A Project of Rs. 27,79,832.00 Accepted by SERB

A project coordinated by Dr. Amar Nath AP in Department of Computer Science and Engineering on "An Optimal Solution for Crop Residue Management with the Internet of Robotics Things and Artificial Intelligence" accepted by SERB-DST under the EEQ scheme. A project has been recommended by the related Empowerment and Equity Opportunities for Excellence in Science to the Science and Engineering Research Board (SERB) for funding of Rs. Rs. 27,79,832.00 for 3 years.

#### Team Epsilon Not: Received a certificate of achievement

Team EpsilonNot, under the mentorship of Dr. Utkarsh Assistant Professor (CSE) qualified for the Asia West Regionals of the International Collegiate Programming Contest (ICPC) for the year 2023, hosted in Amritapuri, Kerala. The team consisted of Harsh Sonkar (2140154), Vitthal Namdev (2241005), and Deepak Mallah (2241050) all students from the Department of Computer Science and Engineering. The team participated in the five-hour-long contest held at Amrita Vishwa Vidyapeetham on the 28<sup>th</sup> of January, 2024. The team not only competed in this five-hour-long battle with some of the best minds in India but was able to secure a decent position and a certificate of achievement for their performance. This feat not only underscores their technical prowess but also reflects their commitment to excellence. EpsilonNot journey in the ICPC serves as an inspiration to aspiring programmers across the college.

#### Prof. Shankar Singh's Breakthrough Patent: Regenerative Electromagnetic Shock Absorber for EVs

Prof. Shankar Singh, from SLIET Longowal, has secured a Full Utility Patent for his invention, the "Regenerative Electromagnetic Shock Absorber." This high-efficiency technology extends electric vehicle battery life. Collaborating with a talented team, Prof. Singh's achievement reflects dedication and expertise in Mechanical & Automobile Engineering.

- A research paper, "Recent advances in two-dimensional transition metal oxides and di-chalcogenides as efficient thermoelectric materials" by a Rekha Rani (RS, PPH-2214) and Prof. MM Sinha from the Physics department has been accepted (February 2024) for publication in Physics Scripta (IOP Publishing) (IF=2.9)
- Dr. Jagdeep Singh, Assistant Professor (Guest Faculty) in the Department of Physics, SLIET Longowal, honoured the National Science Day celebrations at S. Govt College of Science Education and Research, Jagraon, Distt.-Ludhiana (Punjab) with a captivating invited lecture titled "Exploring the Frontiers of Science & Technology"
- Dr. Shubhpreet Kaur, Assistant Professor (Guest Faculty) Department of Physics published five research papers in the indexed journals including three Elsevier journals with impact factor during her stay at SLIET Longowal.



## STUDENTS CORNER

### Tech Auction: A Thrilling ISTE SLIET Society Event

ISTE hosted its much-awaited event, "Tech Auction". This innovative competition brought together the brightest minds from various departments for an evening of intellectual challenges, fun games, and nail-biting bidding rounds. The following activities were undertaken during the event:

- **Departmental Quiz:** In this event, there were various booths, each with a specific name like Tech-Probe, Tech-Furious, Tech-Mind, Tech-Mech, G.K./G.S. and Fun games. Participants were required to visit each booth at least once.
- **Fun Games:** After the intense quiz round, it was time for a change of pace. The Fun Games round injected a dose of laughter and camaraderie into the event. Participants engaged in entertaining activities like the "Chit Chat" game, where they had to communicate using only gestures and expressions.
- **Bidding Wars:** The climax of the Eve arrived with the Bidding Wars. This round brought strategy and quick thinking to the

forefront. Participants had to bid on questions, wagering their hard-earned points for a chance to win big. The tension was palpable as bids flew back and forth, with teams strategizing to outwit their opponents.



- **The Grand Finale:** As the bidding round concluded, it was time for the grand finale. Three envelopes, each containing a mystery amount of money, awaited the top contenders. With hearts pounding and anticipation high, the envelopes were shuffled, adding an element of unpredictability to the final moments. Three teams with the highest points emerged victorious.

### Miscellaneous Students Activities/Achievements

- An education trip for M.Sc. (Physics) students to Institute of Nano Science and Technology (INST), Mohali was organized by the institute on 13.03.2024.
- Nikhil Kumar, M.Sc. 2nd year student (PHY-2263014) presented a paper (Oral Category) in the "International conference on Recent Advancement in Sustainable Nano-Science and Technology", held at IIS (deemed to be University), Jaipur, from January 30-31, 2024.
- Rekha Rani participated (fully sponsored by organizers) in SERB sponsored high-end workshop on "Theory and applications of In Silico Approach for Material Modelling" 5-11 February, 2024 at Central University Bathinda.
- Kailash, A research scholar in department of Physics (PPH-2131) got Raman-Charpak fellowship-2023
- Nikhil Kumar, M.Sc. 2<sup>nd</sup> year student (PHY-2263014) published a paper on, "Structural, phase transitional & magnetic properties of Neodymium nitride under high pressure: a full potential study" in International Journal for Electro Computational World Knowledge Interface (IJECWKI), vol. 5, issue 1, Nov. 2023.
- Six M.Sc./22 students: Soumik Bhoumik, Paritosh Shukla, Abhishek Verma, Ajay Kumawat, Shalini Bhattacharjee and Ajay Kumar Rundla and Ms. Kanika Aggarwal, Assistant Professor from Physics Department participated and presented posters in Two Day Workshop on Global Women's Breakfast-2024 (an IUPAC initiative),

organized by Department of Chemistry, S.L.I.E.T. Longowal on February 21-22, 2024.

- Abhishek Verma M.Sc.-22 student of Physics Department got the second prize for his poster on the theme, "Quantum Computing: An Introduction" presented under Poster Session-II: M.Sc. and M.Tech. students (Cluster V) in Two Day Workshop on Global Women's Breakfast-2024 (an IUPAC initiative), organized by Department of Chemistry, S.L.I.E.T. Longowal on February 21-22, 2024.
- Karan Bansal, Research Scholar PPH-1901 got selected and joined as a faculty of Physics in the Meritorious Schools, Punjab in 2024.
- Mr. Nikhil Kumar, M.Sc. (Physics) final year student has been selected as a researcher for the purpose of carrying out a research project at Friedrich-Schiller- Universitat Jena (Germany) for a period 01.07.2024 to 30.06.2027 with a monthly gross pay of Euro 2831.14.
- Two M.Sc. (Physics)/22 students SOUMIK BHOWMIK, Regd. No. PHY-2263001 and VIVEKANAND JAKHAR, Regd. No. PHY-2263006 have qualified GATE-2024.
- Physics M.Sc./23 (1<sup>st</sup> year) student Ms. Punyasha Nayak, PGPHY-2363008, has secured summer internship-2024 under the supervision of Dr. Ritu Gupta, Assistant Professor, Department of Physics at IIT Ropar.

### SLIET Students Participated in UTKANSH'24

Dr BR Ambedkar National Institute of Technology, Jalandhar organized an Annual Cultural Fest UTKANSH'24 from 9<sup>th</sup> March to 11<sup>th</sup> March 2024. SLIET Bhangra team participated in the competition under category Bhangra FIESTA 2024 and won 1<sup>st</sup> Runner up prize.

Cultural events have a significant impact on local development, contributing to the economy, society and tourism of a region. When students actively participate in cultural events, they have the chance to collaborate, learn from one another, and build meaningful relationships.



### ADDITIONAL RESPONSIBILITIES/TENURE EXTENSION

1. Dr. Charanjit Singh Riar, Prof. (FET), has been appointed as Chairman of the The Minority Cell of the Institute w.e.f. 10.01.2024.
2. Prof. V.K. Kukreja, Department of Mathematics has been appointed as PRO and Convener of the Institutional Publicity & Media Interaction Committee w.e.f. 16.01.2024.
3. Prof. Major Singh Goraya, Department of CSE is hereby assigned the additional duties of Co-Ordinator, Industry-Institute Interaction Cell (IIIC) for a period of two years w.e.f. 30.01.2024.
4. Dr. Ravinder Kumar Saxena, Professor, Department of Mechanical Engineering, SLIET is hereby assigned the additional duties of NEP Coordinator. w.e.f. 15.03.2024
5. Dr. Ravi Kant Mishra, Professor, Department of Mathematics, SLIET is hereby assigned the additional duties of Dean (Alumni and Instrustrial Relations). w.e.f. 10.04.2024.
6. Prof. Major Singh Goraya, Department of CSE is hereby assigned the additional duties of Co-Ordinator, Industry-Institute Interaction Cell (IIIC) for a period of two years w.e.f. 30.01.2024.
7. Dr. Shankar Singh, Professor, Department of Mechanical Engg. is hereby assigned the additional duties of Head of Mech. Engg. & Civil Engg. with immediate effect for a period of three years. Dr. Amandeep Singh Shahi, Professor (Mech. Engg.) requested to handover the charge of headship to Dr. Shankar Singh, Professor (Mech. Engg.).
8. Dr. Mani Kant Paswan is hereby nominated as Director of Distance Education/e-Learning for various online courses to be adopted by the Institute upon approval of the statutory bodies till further orders.

9. The following faculty members have been assigned the duties of Professor- In-Charge and Associate Dean as mentioned against their names by competent authority of SLIET w.e.f. March 7, 2024 for a period of one year:

| Sr. No.                          | Name & Designation of Faculty Member | Assignment                                      |
|----------------------------------|--------------------------------------|---|
| 1                                | Dr. Ajat Shat ru Arora, Prof. (EIE)  | Professor In charge (Store & Purchase)          |
| 2                                | Dr. Sanjay Marwaha, Prof. (EIE)      | Professor In charge (A&A)                       |
| 3                                | Dr. Pratibha Tyagi, AsP (EIE)        | Associate Dean (Alumni & Industrial Relations)  |
| <b>ACADEMICS</b>                 |                                      |   |
| 4                                | Dr. Indraj Singh, Prof. (ME)         | Associate Dean (UG & ICD)                       |
| 5                                | Dr. Jagtar Singh, Prof. (ME)         | Associate Dean (PG & Research)                  |
| 6                                | Dr. C S Riar, Prof. (FET)            | Associate Dean (Academic Planning)              |
| 7                                | Dr. Mandeep Ghai, AsP (M&H)          | Associate Dean (Examination & Secrecy)          |
| <b>PLANNING AND DEVELOPMENT</b>  |                                      |   |
| 8                                | Dr. C S Saini, Prof. (FET)           | Associate Dean (Campus Ambience & Horticulture) |
| 9                                | Dr. Charanjiv Gupta, AsP (EIE)       | Associate Dean (Electrical) (For three months)  |
| 10                               | Dr. Charanjiv Gupta, AsP (EIE)       | Associate Dean (Civil)                          |
| 11                               | Dr. Sukhcharan Singh, Prof. (FET)    | Associate Dean (Security)                       |
| <b>FACULTY AND STAFF WELFARE</b> |                                      |   |
| 12                               | Dr. Navdeep Jindal, Prof. (FET)      | Associate Dean (FSW) and Co-coordinator (IQAC)  |
| <b>RESEARCH AND CONSULTANCY</b>  |                                      |   |
| 13                               | Dr. H R Ghatak, Prof. (ChE)          | Associate Dean (Research & Consultancy)         |
| <b>STUDENT WELFARE</b>           |                                      |   |
| 14                               | Dr. P K Khanna, Prof. (M&H)          | Associate Dean (Student Welfare)                |
| 15                               | Dr. J S Gill, ASP (ME)               | Associate Dean (Scholarship)                    |
| 16                               | Dr. Gulshan Kr. Jawa, ASP (ChE)      | Associate Dean (Hostel Maintenance)             |
| 17                               | Dr. Dilip Kumar, Prof. ECE)          | Associate Dean (Discipline)                     |

### PROMOTIONS

- Mr. Surjit Lal has been promoted as Assistant Registrar.
- Mr. Sikander Sharma, LDC promoted to the post of Upper Division Clerk.
- Sh. Naresh Kumar, Sr. Technician (Mech. Engg.) promoted to the post of Assistant Workshop Superintendent.
- Sh. Kamal Singh Gautam, LDC promoted to the post of Upper Division Clerk w.e.f. 18/03/2024.
- Sh. Ram Karan, MTS promoted to the post of Lower Division Clerk w.e.f. 11/01/2024



### UPCOMING EVENTS

- techFEST'24 SLIET annual technical festival will be organised on October 18<sup>th</sup> and 19<sup>th</sup>, 2024. Dr. Gulshan Jawa (Department of Chemical Engineering) will be the Chairman of the team, organising this technical mega event of the Institute.

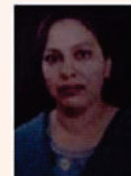
### RETIREMENT NEWS

Sh. Ranjit Singh retired from the post of Multi-Tasking Staff after serving the Institute for more than 24 years. He joined the Institute on 05/11/1999 as Peon/Helper. On attaining the age of superannuation, he relieved from the Institute service w.e.f. 29/02/2024 (A/N).



A farewell party was organized on 29/02/2024 to acknowledge the contribution of Sh. Ranjit Singh in the growth of Institute. The function was presided over by Prof. Mani Kant Paswan, Director, SLIET, Longowal. Deans and other officers/officials were also present during the occasion. The Institute wishes Sh. Ranjit Singh for happy and healthy retirement life.

Mrs. Parveen Kumari retired from the post of Upper Division Clerk after serving the Institute for more than 30 years. She joined the Institute on 16/03/1994 as Clerk and later promoted to the post of Upper Division Clerk on 23/08/2014. On attaining the age of superannuation, she relieved from the Institute service w.e.f. 31/03/2024 (A/N).



A farewell party was organized on 02/04/2024 to acknowledge the contribution of Mrs. Parveen Kumari in the growth of Institute. The function was presided over by Prof. Mani Kant Paswan, Director, SLIET, Longowal. Deans and other officers/officials were also present during the occasion. The Institute wishes Mrs. Parveen Kumari for happy and healthy retirement life.



## DIRECTOR SLIET PROF. MANIKANT PASWAN: WE WILL MAKE SLIET AN EPITOME OF HIGHER EDUCATION

**ANSHUMAT Q.2 : What are the core strengths of SLIET as a technical Institution?**

**Prof. Paswan :** The core strengths of SLIET are:

- First of SLIET is an institution with credibility and it has been accredited by National Assessment and Accreditation Council (NAAC) with 'A' grade besides National Board of Accreditation (NBA) and it figures in NIRF ranked institution list.
- A unique course structure that captures young and brilliant minds for the technical streams after 10<sup>th</sup> Standard.
- It is centrally funded technical institute, well integrated with national-level institutes by offering entry in 4-year degree programmes
- Affordable fee structure suitable for all strata of society.
- The educational programmes of SLIET are innovative, practical and contain all aspects of New Education Policy (2020) of Govt. of India.
- Excellent unmatched infrastructure.
- Excellent and well qualified faculty and staff.

I strongly feel that SLIET has the capability to go higher than other CFTIs.

**ANSHUMAT Q.3 : Could you tell us about the new courses that SLIET has introduced, such as MBA, M.Tech., integrated and undergraduate programs?**

**Prof. Paswan:** Certainly. We are excited to announce the introduction of **MBA programs with specializations in fields such as Data Analytics/Artificial Intelligence /Marketing management and Human Resources Management**, which will cater to the growing demand for business leaders with a technical background. Additionally, our various new **integrated B.Sc.-M.Sc. programme in Physics, Chemistry and Mathematics** is an extension of our flexible, modular and multi-point entry and exit system in compliance to the New Education Policy. Our focus on emerging areas like artificial intelligence, data science, and renewable energy technologies, will ensure that our students are well-equipped for the jobs of tomorrow. These courses are designed to equip students with advanced technical skills and managerial expertise necessary to thrive in today's dynamic industrial landscape. They integrate practical learning with industry-relevant curriculum to ensure our graduates are competitive and adaptable. Besides this we have **introduced 6 months course in Indian Knowledge System and 1 year course in Bee Keeping (Food Technology)** to enhance the employability and skills of the youth of the surrounding rural area. Our ICD programme in Civil Engineering has been extended till **B.E. in Civil Engineering** with an exit option after ICD. One new **M.Tech. programme in Food Safety and Quality assurance** has also been introduced.

All these programmes have been introduced with effect from the academic session starting in July 2024.

**ANSHUMAT Q.3 : SLIET has been proactive in forging partnerships with industry and other academic institutions. Could you elaborate on any recent MOUs or collaborations?**

**Prof. Paswan:** Collaboration is key to fostering a dynamic learning

environment. Recently, we signed an MOU with several leading companies in the renewable energy sector to establish a research and development centre focused on sustainable technologies. We have also partnered with universities abroad to offer exchange programs and joint research initiatives, providing our students and faculty with global exposure and opportunities. SLIET has established strategic partnerships with institutions like IIT Patna and NHPC. These MOUs facilitate collaborative research, faculty exchange programs, and joint initiatives in areas such as renewable energy, technology innovation, and skill development. Such collaborations enrich our academic environment, broaden research opportunities, and enhance our students' learning experiences with exposure to cutting-edge developments.

**ANSHUMAT Q.4 : What is SLIET's vision for the future, considering these new initiatives and partnerships?**

**Prof. Paswan:** Our vision is to emerge as a centre of excellence in technical and management education, known for our innovative programs, cutting-edge research, and industry-aligned curriculum. We aim to nurture the next generation of leaders and innovators who will contribute significantly to society and the economy. Through continuous adaptation to global trends and a commitment to excellence, we strive to make SLIET a preferred destination for students and researchers alike.

**ANSHUMAT Q.5 : What is SLIET's vision for the future in terms of academic excellence and infrastructure development?**

**Prof. Paswan :** Our vision is to emerge as a globally recognized centre of excellence in technical education and research. We aim to continuously upgrade our infrastructure with state-of-the-art facilities, smart classrooms, and advanced laboratories. Additionally, we are committed to fostering an inclusive and supportive learning environment that encourages innovation, entrepreneurship, and sustainable development.

**ANSHUMAT Q.6 : How does SLIET plan to integrate interactive sessions by industry experts into its curriculum?**

**Prof. Paswan :** We recognize the importance of industry interaction in bridging the gap between academia and real-world challenges. We regularly organize interactive sessions, workshops, and seminars where industry experts share insights on emerging trends, technological advancements, and career opportunities. These sessions not only supplement classroom learning but also inspire students to think critically and apply theoretical knowledge in practical scenarios.

**ANSHUMAT Q.7 : SLIET recently announced a 50% fee concession for female students. What impact do you foresee this initiative having on gender diversity and inclusivity?**

**Prof. Paswan :** The fee concession initiative aims to promote gender diversity and inclusivity by making quality education more accessible to female students. We believe this will empower more women to pursue higher education, contribute to their personal and professional growth, and eventually play leadership roles in diverse



fields. It underscores our commitment to creating a supportive and equitable learning environment.

**ANSHUMAT Q.8 : How does SLIET plan to leverage distance education to reach a broader student base?**

**Prof. Paswan :** Distance education plays a crucial role in democratizing access to education. SLIET is expanding its distance learning programs to reach students in remote areas and working professionals seeking to upgrade their skills. We are investing in robust online platforms, interactive learning modules, and mentorship programs to ensure quality education delivery and student engagement beyond physical boundaries.

**ANSHUMAT Q.9 : Can you discuss SLIET 's initiatives for holistic student development beyond academic curriculum?**

**Prof. Paswan :** At SLIET , we prioritize holistic student development by offering a range of extracurricular activities, sports facilities, cultural events, and community engagement programs. These activities foster leadership, teamwork, creativity, and social responsibility among our students, preparing them to excel in both personal and professional spheres.

**ANSHUMAT Q.10 : What role does SLIET envision for alumni in contributing to the institution's growth and mentorship programs?**

**Prof. Paswan :** Our alumni are invaluable ambassadors and mentors who play a pivotal role in shaping SLIET's future. We actively engage our alumni through networking events, mentorship programs, guest lectures, and career guidance sessions. Their industry insights, experiences, and support are instrumental in enhancing student employability, fostering industry partnerships, and advancing research collaborations.

**ANSHUMAT Q.11 : How does SLIET plan to promote sustainability and environmental consciousness on campus?**

**Prof. Paswan:** Sustainability is a core value at SLIET and we are committed to promoting environmental consciousness through initiatives such as waste management, energy conservation, and green campus projects. We integrate sustainability principles into our curriculum and encourage students to participate in eco-friendly practices, research projects, and community outreach programs aimed at environmental conservation.

**ANSHUMAT Q.12 : Could you elaborate on SLIET's vision for the next five years, considering these new initiatives and strategic partnerships?**

**Prof. Paswan :** Our vision is to emerge as a globally recognized centre of excellence in technical education and research, known for producing industry-ready professionals and contributing to

sustainable development through innovation and entrepreneurship. Our aspirations include expanding our global footprint through strategic partnerships, and continuing to nurture talent that contributes to societal development and economic growth.

**ANSHUMAT Q.13 : Can you provide an overview of the recent infrastructure developments at SLIET?**

**Prof. Paswan :** Over the past few years, we have undertaken several key infrastructure projects at SLIET to enhance both the academic and residential experience for our students. These include the construction of new academic buildings, modern laboratories, upgraded hostels, and recreational facilities. Currently, we are working on the development of a state-of-the-art research and innovation centre, an expanded library with digital resources, and additional residential quarters for faculty. These projects aim to support our growing student body and faculty while fostering a vibrant academic community.

**ANSHUMAT Q.14 : What improvements have been made to student accommodation and recreational or extracurricular facilities on campus?**

**Prof. Paswan :** We have renovated existing hostels to provide more comfortable living conditions, including better furnishings, internet connectivity, and recreational areas. New hostel blocks are also being constructed to accommodate the increasing number of students. We have added new sports facilities, including a gymnasium, tennis courts, and a swimming pool. Additionally, a cultural centre has been established to encourage students to participate in various extracurricular activities.

**ANSHUMAT Q.15 : Finally, what message would you like to convey to prospective students and stakeholders about SLIET's commitment to excellence and innovation in the changing landscape of technical education?**

**Prof. Paswan:** We are committed to providing a transformative learning experience that equips students with the skills and knowledge to excel in their careers and contribute meaningfully to society. Our focus on innovation, entrepreneurship, and sustainable development ensures that SLIET remains at the forefront of technical education, preparing future leaders and innovators for a rapidly evolving world.

**ANSHUMAT :** Thank you, Director, for your comprehensive insights into SLIET 's vision and initiatives.

**Prof. Paswan:** You're welcome. It was a pleasure discussing our institution's journey and future plans.

**TEAM ANSHUMAT**

**Patron: Prof. Mani Kant Paswan, Director SLIET**

**Advisor:** Dr. A.S. Arora, **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) Deputy Editor (Digital Format),

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

**Student Team:** Rohit Raj (GEE'21), Prakhyaat Prakhar (GIN'22), Tanush Singla (CDE'23), Saumya Thakur (CFP'23)

© Newsletter, ANSHUMAT, SLIET LONGOWAL