



# ANSHUMAT

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## WELCOME MESSAGE BY DIRECTOR SLIET (Reopen after COVID-19)

Dear Students,

After about 20-months of the silent halls, mute laboratories and empty classrooms, I am so delighted to WELCOME you all back into the campus learning environment, though with certain restrictions.



I am sure you must have enjoyed this long period of off-campus teaching/learning interval at HOME during COVID-19, and prepared yourselves well for the challenges of LIFE.

Strongly realizing that after staying home due to this pandemic, there is need of in-person teaching-learning and imparting education in the live, amiable and enthusiastic campus environment physically in the classrooms, we are ready to OPEN doors to the students in phased and planned manner.

I, heartily THANK my faculty and staff for remaining committed and ready to be engaged throughout the period, that too during upcoming FESTIVAL days. We have plan to be rolled out from 16<sup>th</sup> October, 2021 onwards, to conduct the Laboratory Classes and Project Work. THANKS to Govt of India to rollout “**World's largest Vaccination Drive**” in such a short time, which made it possible.

Dear students, the mission of SLIET is to impart quality technical education to its students so as to enable them to explore their abilities/skills in different forms and contribute towards the progression of the society, as budding engineers of this great nation.

Further it's my duty to remind you that we still have Covid-19 guidelines issued by the Central/State Government/Local Administration applicable and are to be followed strictly to make everyone on the campus SAFE and SECURE during the stay. Please Don't forget to follow necessary protocols such as wear masks, keep appropriate physical distancing, and wash hands regularly.

May God bless you all and help you in your future success.

Thank you

जय हिंद जय भारत !!

**Prof. Shailendra Jain**

Director



SLIET BAGGED “Outstanding Institute Award” - Page 2

### आजादी के 75 साल

एक देश की महानता, बलिदान और प्रेम उस देश के आदर्श पर निर्भर करता है। – सरोजिनी नायडू

### सक्षमता का विकास

पक्षी अपने बच्चों को घोंसलें बनाकर नहीं देते, वे तो बस उन्हें उड़ने की कला सिखाते हैं।

### LIFE

Life is not about being rich, being popular, or being highly educated. It's about being real, humble and kind.

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## INSTITUTE ACTIVITIES

### SLIET BAGGED "OUTSTANDING INSTITUTE AWARD"

SLIET Longowal has been adjudged the "Outstanding Institute Award (Engineering College Category) for the year 2020-21", constituted by "NITTTR Chandigarh for northern region states". The award was conferred on the occasion of 54<sup>th</sup> Annual Day Celebration of NITTTR, Chandigarh, on 7<sup>th</sup> Sept 2021.

Prof. Shailendra Jain, Director SLIET, congratulated TEAM SLIET on this achievement and emphasized on the belief that the **"Strength of TEAM is each individual member, and the strength of each individual is the TEAM"**.



### INAUGURATION OF STUDENT'S SEATING ARENA

Student's Seating Arena is developed in front of library, which is one of the key area of student's movement. The arena having boards for the display of the important institutional information, and sitting places for students. The same was inaugurated by Prof Shailendra Jain, Director SLIET Longowal on 11<sup>th</sup> Aug 2021. The arena is developed with an objective to display important information at a central place, and attract students towards Central Library facilities. On this occasion he appreciated the efforts of Estate Team for their efforts of value-addition to institute infrastructure.



Team SLIET (Teaching Staff)





Team Administration (in casual mood)



Team SLIET (Non-teaching Staff)

## SLIET CELEBRATES 75<sup>th</sup> INDEPENDENCE DAY AND "AZADI KA AMRIT MAHOTSAV"

Maintaining the COVID-19 guidelines, Sant Longowal Institute of Engineering and Technology celebrated 75<sup>th</sup> Independence Day on 15<sup>th</sup> August 2021 with full zeal and zest. On this auspicious day, the national Tricolour was hoisted by the director Prof. Shailendra Jain, and followed by a patriotic and inspirational speech. However, due to the pandemic, the event was carried out in the presence of limited attendees. The event was streamed live on Official Facebook channel of SLIET.

The flag hoisting ceremony was followed by a graceful parade by security personnel. In the event numerous poems, songs, lectures were delivered related to the nationalism. Further on the occasion, Prof. Shailendra Jain exhorted everyone to toil hard for the multi-dimensional growth of the institute which will be a tribute to the nation. The research scholars and faculty members were awarded for their significant contribution in research. through 'SLIET Quality Publication Award' conferred on 26<sup>th</sup> January and 15<sup>th</sup> August each year since 2018. On this occasion, plantation drive was also organised to keep SLIET campus green. The cycling event and Badminton Tournament were organised by Sports Department of the institute as a part of the 'Azadi ka Amrit Mahotsav,' the celebration of India's 75<sup>th</sup> year of independence, following the Prime Minister's vision for a fitter country.





Sant Longowal Institute of Engineering and Technology, Longowal-148106  
Deemed to be University under Ministry of Education (MoE), Govt. of India

## TRIBUTES PAID TO SANT HARCHAND SINGH JI LONGOWAL ON 36<sup>TH</sup> DEATH ANNIVERSARY

On the occasion of 36<sup>th</sup> death anniversary of the great soul, homage with due honours were paid to Amar Shaheed Sant Harchand Singh Ji Longowal, in front of Administrative Block by First Lady of the Institute Mrs. Shobhana Jain, Dean (Academics) Prof. J.S. Dhillon and Prof. Ajat Shatru Arora on

behalf of Director SLIET on 20<sup>th</sup> August, 2021. The faculty, staff and students of the Institute paid tributes to the great Saint, in whose ever-lasting memory, the institute has been established. A plantation drive was also organised on the occasion to support 'Green SLIET, clean SLIET' mission.



## techFEST'21 - THE ANNUAL TECHNICAL FEST

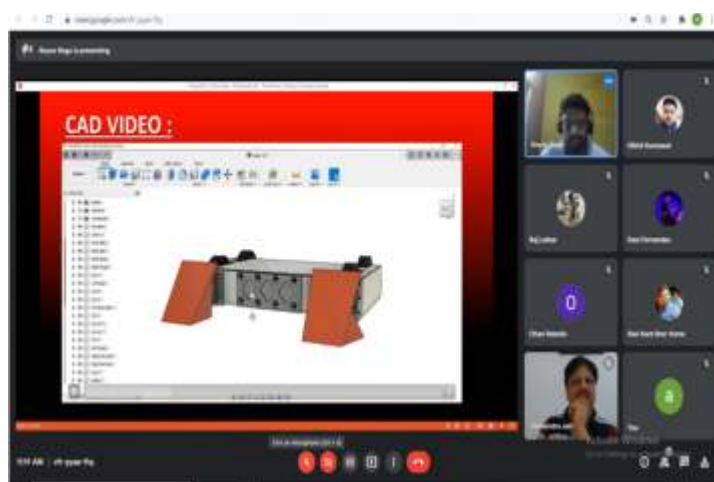
In view of the worldwide lockdown due to the pandemic, there was urgent need to keep young minds active and vibrant. With this objective, first time in the history of SLIET, amidst the pandemic situation, Sant Longowal Institute of Engineering and Technology successfully organised an annual virtual technical festival techFEST'21 from 1-4 September 2021. The theme of the event was 'Revitalize India' drawing light on India's healthcare system and the role of technology in day to day life through 34 events in 8 domains including workshops and virtual industrial visits. The motive of the theme was inculcated in the problem statements of the flagship events of the Techfest. Involving 1300+ participants from 45 different institutions from all over India. The Chairman of Techfest Dr Manpreet Singh Manna welcomed the Chief Guest of the inaugural ceremony Dr. Parin Somani - An Independent Academic Scholar of London. Prof. Shailendra Jain Director of SLIET and Chief Guest of Valedictory session announced more than 3 lakh rupees of prizes to all winning teams along with Guest of honour







Shri Simarpreet Singh, Director of Hartek Group. The fest provided the young budding engineers a platform to cope up successfully with real-life challenges. techFEST'21 being a great success, planned and executed in such a short time span was a commendable task taken up by SLIETians. The technical sponsors of the event were IEEE, Igen Edu solutions, DIY guru and Techvan to Academy.



## MADHURAM'21-THE ANNUAL CULTURAL FEST OF SLIET

{Virtual compendium of talent and culture}

Madhuram'21 (Annual cultural Festival of SLIET) powered by Internwell and associate partner R.R.P Jewelers, Sangrur was inaugurated virtually, keeping in view COVID-19 pandemic, in presence of the Honorable Director of SLIET, Prof. Shailendra Jain, Dean (Student Welfare), Prof. D.C Saxena, Dean (Academics) Dr. Ajat Satru Arora, Convener of virtual MADHURAM'21 Prof. Sukhcharan Singh, Co-convenor Dr. Prathiba Tyagi, on 12<sup>th</sup> of July 2021 at 11:00 A.M. The program was live streamed on the official YouTube channel (Madhuram SLIET) and the official website. <http://madhuramsliet.in> and it had great number of views.

In the august presence of Director SLIET Prof. Shailendra Jain, the Day-1 of Madhuram'21 was a grand success with more than 2000 spectators along with many other dignitaries in the symposium including Dean (Faculty & Staff

welfare), Dr. J.S. Dhillon, Dean (R&C) Prof. A.S. Dhaliwal, Dean (Planning & Development), Prof. P. S. Panesar. There were exciting high energy performances by students including dancing & poetry. The same way Day-2 was followed by the grand face-off among students from singing to storytelling in presence of honorable judges and audience.





It was a great pleasure for the entire team of virtual Madhuram'21 to have Dhivam Sharma from Lafz Entertainment, Singer Nikhil Sharma from Lafz Entertainment and India's most popular band "Ruhaniyat Band" as honorable guests during star nights for Day-3, Day-4 and Day-5 respectively.

Day-3 and day-4 witnessed the same thrill and concluded with a star night and MR. and MISS Madhuram'21 super exciting competitions respectively.

The Day-5 was dedicated to pay a tribute to our late Prof. Damanjeet Singh and it later drew the curtains down for virtual Madhuram'21 with prize distributions, cash prizes, and goodies for the winners of various events.



## DEVELOPMENT AND EXTENSION OF SLIET HERBAL PARK

With the objectives to popularize the knowledge of Ayurveda among future generations and to conserve commonly available medicinal plants, and to explore possibilities of variable collections, utilization and research on medicinal, aromatic and ornamental plants in an organized way, the Herbal Park was rejuvenated and inaugurated on 15<sup>th</sup> Aug 2020 by worthy Director Prof. Shailendra Jain.

Nearly 30 different Herbal seasonal and permanent plants like Turmeric, Datura, Lajwanti, Drumstick, Tulsi, Shyama Tulsi, Amla, Ashwagandha, Amaltas, Pomegranate, Bel Patra, Bahera, Dhak, Lemongrass, Shamak Namoli, Arandi, Puthkanda, Bhumi Amla, Ratti, Tamarind, Sugar Apple, Arjun, Guava, Neem, Mango, Harsingar, Khair, Dheu, Mulathi, Murraya, Cardamom, Stevia, Peppermint, Babul, Andumbar, Giloyetc. are being planted and made available to SLIET residents.

Herbal Park having initial covered area of 33000 sq. ft (Phase-I) has now been extended to 56760 sq. ft (Phase-II) on 75<sup>th</sup> Independence Day, 15<sup>th</sup> Aug 2021, and 1st anniversary of Herbal Park. During the 1<sup>st</sup> and 2<sup>nd</sup> wave of COVID-19 herbal species such as Tulsi, Aloe Vera, Peppermint, Bhumi Amla, Harsingar, Ashwagandha, Lemon Grass, Arjuna, Amla, Harad etc. were distributed to the SLIET residents, to create awareness and utilization of herbs in daily life. In the future plan, the herbal park will be explored for research and development in association with Food Engineering & Technology department, with an objective to create awareness about students about utility of herbal and medicinal plants and promotion of Entrepreneurship culture in the field.





## SWACHHTA PAKHWADA

SLIET observed SWACHHTA PAKHWADA 2021 as per directions of Ministry of Education, Govt. of India. Various activities were organized by the institute from 8-14 Sept. 2021 in and off campus through online as well as offline mode. Director, SLIET inaugurated the activities under Swachhta Pakhwada 2021 on 8<sup>th</sup> Oct. 2021 in presence of Prof. Rajesh Kumar, Dean(SW) and Coordinators Prof. S.M. Ahuja & Dr. Gulshan Kumar Jawa with Swachhta Pledge Ceremony (ONILNE MODE). The students, faculty and staff of the institute actively participated in pledge ceremony in the phased manners. Various activities were undertaken include 'Innovation Projects (Presentations)', 'Debate Competition', 'Slogan Writing and Poster Making Competitions', 'Clean Your Neighbourhood', 'Potting Plants/ Saplings', 'Water Conservation Drive', and 'No Water Stagnation to Avoid Breeding of Mosquitoes'. A

large no. of students participated in above activities through online mode and 'at & around' their homes despite the challenges of COVID-19 pandemic. Through remarkable participation of students guided by faculty members, awareness was increased among masses related to water conservation, waste recycling, energy conservation and Cleanliness and health etc.







BEFORE  
AFTER



## स्लाईट में हिन्दी माह तथा हिन्दी दिवस का आयोजन

संत लौगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान, लौगोवाल में राजभाषा (हिन्दी) विकास समिति के तत्वावधान में 1 सितम्बर, 2021 से 30 सितम्बर, 2021 तक हिन्दी माह मनाया गया तथा 14 सितम्बर, 2021 को हिन्दी दिवस समारोह आयोजित किया गया।

हिन्दी दिवस के अवसर पर संस्थान के निदेशक प्रो. शैलेन्द्र जैन, अधिष्ठाता (छात्र कल्याण) प्रो. राजेश कुमार, अधिष्ठाता (कर्मचारी एवं संकाय कल्याण) प्रो. अजय शत्रु अरोड़ा, यांत्रिक अभियंत्रण के विभागाध्यक्ष प्रो. ए.एस. शाही, अधिष्ठाता (योग्यता एवं विकास) प्रो. पी. एस. पनेसर, रसायन विज्ञान के विभागाध्यक्ष प्रो. धीरज सूद, विद्युत एवं संयंत्र अभियंत्रण के विभागाध्यक्ष प्रो. सुरिता मैणी संस्थान के जनसम्पर्क अधिकारी डा. अजयपाल सिंह एवं समिति के अध्यक्ष राज कुमार यादव ने अधिकार को मिटाकर प्रकाश देने के लिए दीपों की श्रृंखला प्रज्वलित कर कार्यक्रम शुभारंभ किया। तत्पश्चात संस्थान कुलगीत के बाद समिति के अध्यक्ष राज कुमार यादव ने 1-30 सितम्बर की अवधि में हिन्दी माह के आयोजन के अन्तर्गत कर्मचारियों एवं संकाय सदस्यों तथा छात्र-छात्राओं के लिए आयोजित विभिन्न प्रतियोगी कार्यक्रमों की जानकारी दी और हिन्दी भाषा के सम्बन्ध में गाँधी जी के विचारों के आलोक में स्वतंत्रता की वास्तविक रूप में अर्थपूर्ण बनाने के लिए राजभाषा हिन्दी की महत्ता बताया।

हिन्दी दिवस समारोह में हिन्दी के साहित्यकार डा. योगेन्द्र नाथ शर्मा 'अरुण' ने नई शिक्षा नीति-2020 के आलोक में "भारतीय भाषाओं हित विकास की गति प्रदायिनी हिन्दी" विषय पर ऑनलाइन व्याख्यान दिया और भारत की महान सांस्कृतिक विरासत की भी याद दिलायी तथा वैज्ञानिक डा. चन्द्र मोहन नौटियाल, "विज्ञान तथा प्रौद्योगिकी में हिन्दी शब्दावली: चुनौतियाँ तथा रणनीति" विषय पर ऑनलाइन व्याख्यान दिया। डा. चन्द्र मोहन नौटियाल ने विज्ञान व तकनीक के विकास व प्रयोग हित राजभाषा हिन्दी की उपयोगिता एवं उपादेयता की ओर ध्यान आकर्षित किया। सखी बायोटेक प्रा. लि., नोयडा के प्रबन्ध निदेशक, डा. सुदन नेत्रपाल, ने ऑनलाइन उपस्थित होकर समिति का उत्साह बढ़ाया और समिति के कार्यों की सराहना की एवं हिन्दी की विज्ञान व तकनीकी शिक्षण में उच्चतर आयाम में ले जाने हेतु शुभकामना दी।

इस अवसर पर अधिष्ठाता (छात्र कल्याण) प्रो. राजेश कुमार ने भाषायी विविधतापूर्ण भारत में समग्र विकास हेतु हिन्दी से स्थापित समरसता व साम्यता की ओर ध्यान दिलाया और इस पर मँडराते खतरे के प्रति सचेत रहने के लिए आग्रह किया। अधिष्ठाता (कर्मचारी एवं संकाय कल्याण) प्रो. अजय शत्रु अरोड़ा ने सभी भाषाओं के प्रति आदर एवं सद्भाव रखते हुए अपनी मातृभाषा हिन्दी की गरिमा को नया आयाम देने के लिए प्रेरित किया तथा कोविड-19 के बीच सरकारी दिशा-निर्देशों का पालन करते हुए हिन्दी दिवस मनाये जाने के लिए समिति को बधाई दी।

हिन्दी दिवस समारोह की अध्यक्षता संस्थान के निदेशक प्रो. शैलेन्द्र जैन ने की। इस पूरे कार्यक्रम में समिति सदस्य श्री जगदीश चन्द, श्री सखीबात सिंह तथा प्रो. शंकर सिंह, डा. राकेश कुमार आदि उपस्थित थे। धन्यवाद ज्ञापन समिति के अध्यक्ष ने किया तथा हिन्दी दिवस के उपलक्ष्य में आयोजित समारोह का समापन राष्ट्र गान के साथ सम्पन्न हुआ।

सितम्बर, 2021 में संस्थान के छात्र-छात्राओं तथा कर्मचारियों व संकाय सदस्यों के लिए विभिन्न प्रतियोगी कार्यक्रम आयोजित किये गये।

इस हिन्दी माह के उपलक्ष्य में संस्थान के छात्र-छात्राओं के लिए निम्नलिखित कार्यक्रमों का ऑनलाइन आयोजन किया गया:-

क्र. स.	कार्यक्रम	तिथि
1.	प्रश्नोत्तरी	20.09.2021
2.	कहानी लेखन	21.09.2021
3.	कादूय पाठ	22.09.2021
4.	निबंध लेखन	23.09.2021
5.	मल्टीमीडिया प्रश्नोत्तरी	24.09.2021
6.	चित्रांकन	27.09.2021
7.	अभ्यासरी	28.09.2021

इस हिन्दी माह के उपलक्ष्य में संस्थान के कर्मचारियों एवं संकाय सदस्यों के लिए निम्नलिखित कार्यक्रमों का आयोजन किया गया:-

क्र. सं.	कार्यक्रम	स्थान	तिथि एवं समय	समन्वयक
1.	रचनात्मक लेखन	एम-102, यांत्रिकी विभाग	07.09.2021, 4.45 अपराह्न	श्री मोहन कृष्ण सो, उप कुलसचिव डा. संजीव गर्ग, सह-आचार्य
2.	सुलेख	एम -102, यांत्रिकी विभाग	10.09.2021, 4.45 अपराह्न	श्री जगदीश चन्द, सहायक श्री ज्वाला सिंह, उपकुल सचिव श्री हरजीत सिंह, सहायक कुलसचिव
3.	कहानी लेखन (कल्पना पर आधारित)	एम -102, यांत्रिकी विभाग	16.09.2021, 4.45 अपराह्न	श्री मनदीप सिंह, स्टोर कीपर डा. राज कुमार यादव
4.	अभिव्यक्ति निबंध लेखन प्रतियोगिता	एम -102, यांत्रिकी विभाग	21.09.2021, 4.45 अपराह्न	श्री मोहन कृष्ण सो, उप कुलसचिव श्री हरजीत सिंह, सहायक कुलसचिव
5.	टिप्पणी प्रारूपण प्रतियोगिता	एम -102, यांत्रिकी विभाग	28.09.2021, 4.45 अपराह्न	डा. अजयपाल सिंह, आचार्य श्री प्रभदीप सिंह, संपदा अधिकारी
6.	काव्य पाठ प्रतियोगिता	एम -102, यांत्रिकी विभाग	29.09.2021, 4.45 अपराह्न	

सभी विधाओं की प्रतियोगिता में प्रथम एवं द्वितीय स्थान पर आने वाले प्रतिभागियों को नकद पुरस्कार के रूप में क्रमशः 1000/- एवं 500/- रुपये दिये जाने का निर्णय लिया गया।







## WEBINARS/ WORKSHOPS/STC/STTP/FDP/CONFERENCES/TALKS

### SWAYAM AWARENESS WORKSHOP

As a part of online learning, a SWAYAM Awareness Workshop was held for the faculty of SLIET Longowal on 23<sup>rd</sup> August, 2021 at Mini Auditorium, Computer Block, SLIET Longowal, Punjab. It was inaugurated by Director of SLIET Longowal, Prof. (Dr.) Shailendra Jain, and an overview of the workshop delivered by Dean (Academics) Prof. (Dr.) J. S. Dhillon. The Head of Department of EIE Prof. (Dr.) Surita Maini., welcomed all the participants of the workshop. The workshop was conducted by the SWAYAM SLIET Coordinator Dr. Manpreet Singh Manna by giving brief review of all the salient features as well as complete overview of SWAYAM platform. Good deliberations took place with various faculty members for understanding SWAYAM, it was decided in the workshop that all HODs of their respective departments must submit their tentative courses for the upcoming session to be offered as open elective for the various

departments, as directed by the Dean (Academics). Vote of thanks was presented by Associate Dean (Academic) Dr. Navdeep Jindal. The workshop was attended by more than 45 faculty members, and 68% of them termed the workshop as Excellent whereas 28% as Very Good and 14% as Good in their feedback.



### WEBINAR ON COMMUNICATION SKILLS AND PERSONALITY DEVELOPMENT

To improve the Graduate Outcome and enhance the employability skills of the students, a Webinar on "Communication Skills and Personality Development" was organized on 31<sup>st</sup> August, 2021. Sadhika Dr. Pragbha Virat, a renowned behavioral psychologist interacted with the students. More than 150 students along with their family members with rapt attention participated actively in the Programme. In this interactive webinar, various personal and professional queries of the students were also addressed.

A large number of students had raised the issue of having a number of individual psychological problems in the current COVID times. Sadhika Dr. Pragbha Virat shared her personal contact no. to

help the students to overcome the personal and psychological issues faced by the students.. On the request of our students, she had agreed to conduct another webinar in the month of September.

The highlight of the Programme was that many family members of the students also participated in the webinar and their queries were also addressed by Dr. Virat. Notably, Dr. Pragbha Virat is providing her services free of cost.

The Webinar was coordinated and managed by Prof. Pardeep Kumar Jain and Prof Parveen Kaur Khanna, coordinators of Counselling and Soft Skills Club.



## ONLINE WORKSHOP CONDUCTED ON 'LEADERSHIP FROM EMERGING FUTURE'

2 days online workshop on "Leadership from Emerging Future" was conducted on 9<sup>th</sup> and 10<sup>th</sup> July 2021 in the Institute. This workshop was inaugurated by Prof. Shailendra Jain Director and Prof. J. S. Dhillon Dean (FSW). It was organized in association with Dimensions Education Pvt Ltd, Delhi and IQAC cell of the institute. Dr Jain, Director emphasized that such workshop would be very helpful to inculcate ethical and moral values and leadership quality in faculty members particularly young faculty. 16 faculty members including newly joined faculty members attended this workshop. In the valedictory function, Dr. Kundan Kumar Assistant Professor, ECE and Mr. Jagdeep Singh



Assistant Professor, CSE apprised about the usefulness of such workshops to develop leadership and to plan the work efficiently. Dr. Pradyuman Kumar, Professor Food Engineering and Technology was the coordinator of the workshop.

## ONE-WEEK ONLINE SELF-SPONSORED STC ON ROBOTICS AND AUTOMATION

Dr. Sunil Kumar organized a one-week online self-sponsored STC on Robotics and Automation-2021, during July 26-30, 2021. Basics of Robotics and Automation were discussed along with 40% practical demonstration. A total 106 Participant including Faculty, Scholars and Students attended the STP. The participants were enlightened with knowledge of Robotics and Automation as there is indispensable need for industrial automation to defend Industry 4.0.

Sant Longowal Institute of Engineering & Technology  
Longowal -148106, Dist. Sangrur (Pb.)  
Deemed to be University  
Under Ministry of Education, Government of India



**Self Sponsored Course**  
Short Term Course (STC)  
On  
**Robotics and Automation-2021**  
(July 26-30, 2021)  
Organized by  
Department of Mechanical Engineering,  
SLIET, Longowal  
Course Coordinator  
Dr. Sunil Kumar  
Assistant Professor







## ONLINE QUIZ COMPETITION ON THE TOPIC OF HVAC (HEATING, VENTILATION AND AIR CONDITIONING)

An online quiz competition on the topic of HVAC (Heating, Ventilation and Air Conditioning) was conducted by the Department of Mechanical Engineering on 14<sup>th</sup> July 2021. The purpose of the quiz competition was to enhance students' knowledge in the field of HVAC. The coordinators of the event were Mrs. Ankita Omer (A.P.) and Mr. Sumit Kumar (A.P.). More than 100 students participated in the quiz. The competition comprised

of a series of 5 online quizzes, which were conducted at different times on 14<sup>th</sup> July 2021.

Three winners were announced based on cumulative timing and marks scored by the participant. First position was secured by Mr. Ram Kumar from GME first year. Second position was secured by Miss. Pankhuri Gupta CD-CEN final year. Mr. Gaurav Kumar, from ICD-CAC second year secured third position in the competition.

## "FUSION 360"- ONE DAY WORKSHOP JOINTLY ORGANIZED BY SLIET AND AUTODESK

"Fusion 360" a one day workshop was jointly organized by SLIET Longowal and Autodesk on 7<sup>th</sup> August 2021. More than 50 participants participated including faculty members, B.Tech, M.Tech and PhD students. FUSION 360 software by AUTODESK installation was provided to all

participant free of cost. The workshop was completely free and students and faculty members gave very positive feedback. Dr. Harish Arya, AP(ME), SLIET, Vyomkesh Mishra and Prashant Kundnani, AUTODESK coordinated the event.

## ONLINE TRAINING FOR SUMMER INTERNSHIP PROGRAMME (An alternative offered by Institute due to Covid exigencies)

4/6 weeks Industrial training / summer internship is an integral component of engineering program for 2<sup>nd</sup> and 3<sup>rd</sup> year B.E. students. Due to COVID pandemic, students were facing difficulty in enrolling for summer training. To facilitate students Departments of ECE/EIE/ ME conducted 4/6 weeks online training as detailed below :

S. No.	Duration	Programme	Coordinator(s)	Department	No. of Participants
1.	21 June-30 July, 2021 (6 Weeks)	Recent Trends of RF technology(Simulation and Fabrication)	Dr. Kundan Kumar Er. Alka Singla	ECE	137
More than 40 resource persons delivered expert talks in the program in the diverse areas of RF Communication and programming languages. The program covered the basic programming languages C++, JAVA and Python programming in Module 1. Further practice on MATLAB, introduction to IOT and hands on practice sessions of RF simulation tools we included in Module 2. Module 3 included hands on training practices on thrust areas of RF Technology in addition to above mentioned talks.					
2.	01- 30 July 2021 (4 weeks)	Programmable Logic Controller & Its Applications	Dr. Raj Kumar Garg	EIE	20
The venue for this program was Centre for Training & Research in Automation Lab which has been established in collaboration with SMC India.					
3.	05 -30 July ,2021 (4 weeks)	Online training in lieu of industrial training for UG 2 <sup>nd</sup> & 3 <sup>rd</sup> Year students	Dr. J.S. Gill Dr. Indraj Singh Dr. Mohd. Mazid	Mech. Engg.	108
via virtual industrial visits, delivery of beyond curriculum information on welding technology, project management, energy auditing, and modern software tools					
4.	01-31 July 2021 (4 weeks)	IoT and Embedded Systems	Dr. Manmohan Singh	EIE	25

This pro-active step taken by SLIET, training and execution facilitated the budding technocrats to acquire the requisite skills despite the pandemic. Director Congratulated and appreciated the efforts of HOD's and faculty coordinators for this initiative as per the need of the hour.





## CAREER COUNSELING SESSION UNDER SIX WEEKS ONLINE SUMMER INTERNSHIP PROGRAM "RECENT TRENDS OF RF TECHNOLOGY (SIMULATION AND FABRICATION)"

Career Counselling Session was conducted under Six Weeks Online Summer Internship Program on "Recent Trends in RF Technology (Simulation and Fabrication)" on 18<sup>th</sup> July, 2021 (Sunday) by Department of ECE. More than 80 participants participated during this session. Alumni from batches of 2k15 and 2k16 from Departments of Electronics and Communication Engineering & Electrical and Instrument Engineering shared their valuable experiences in the field of higher education (National and International). They made the students aware about the current scenario of software industries, counseled and guided them about the job opportunities in the respective fields.



## ONLINE SHORT-TERM COURSE ON "ANALYTICAL TECHNIQUES IN REALM OF MOLECULES & MATERIALS (ATRM-21)"

Department of Chemistry organised one week online short-term course entitled "Analytical Techniques in Realm of Molecules & Materials (ATRM-21)" from 26<sup>th</sup> to 31<sup>st</sup> July 2021. The coordinators of the course were Prof. Dhiraj Sud (HOD) & Prof. H.K. Chopra, convener was Prof. Ram Pal Chaudhary, Co-Conveners were Dr. Himanshu Rani & Dr. Payal Malik. The eminent speakers were Prof. Sanjay Mandal, Dean(Academic) from IISER, Mohali, Prof. Tarasankar Pal from IIT Kharagpur, Prof. A.K. Mishra from IIT, Chennai, Prof. Inder Pal Singh from NIPER, Mohali, Prof. S. Bhattacharya from Banaras Hindu University, Varanasi, Dr. Pankaj Kandwal from NIT Uttarakhand, Dr. Pardeep Kumar from MNIT Jaipur and Dr. Senthil kumar Muthaiah from NIT Kurukshetra. A session by international expert, Prof. Y. Sahoo from Boston, USA on nano particle synthesis and from industrial experts; Dr. Rishi Gupta from Anton Paar India Pvt. Ltd, Dr. Vishal Khataavkar from Waters India Pvt. Ltd were also planned for the

benefits of participants to have practical exposure.

The focus of 'ATRM-21' was on emerging areas of Chemistry and allied sciences such as X-ray crystallography, Metal-organic heterogeneous catalysts for organic transformations, Spectroscopy-AAS, UV-VIS, IR, Fluorescence, TEM, FESM, SERS, heterogeneous Catalysis involving metal and metal oxide, Nano particles, Zeta Potential Analyzer, Emerging Techniques for Analysis of Herbals, Density Functional Theory, Nano Particles, Nano wires, Local-correlation methods against Density Functional Methods, Modern separation Technique in Analytical Research. The STC got overwhelming response, 250 participants from different organizations across the country attended the STC and it led to the enhancement of knowledge of M.Sc. students, Research scholars, and young faculties in quantitative and qualitative research techniques.





## ATAL FDP PROGRAMS (ONLINE) CONDUCTED IN SLIET

### (1) SIGNAL PROCESSING AND MACHINE LEARNING TECHNIQUES: EMERGING TRENDS

The ATAL\_FDP programme was conducted on "SIGNAL PROCESSING AND MACHINE LEARNING TECHNIQUES: EMERGING TRENDS" from 06-10/09/2021. The talks have been organised from the eminent speakers in their fields. The speakers from eminent Institutions like IITs, NITs, BARC have delivered the talks during the programme. The 54 participants from all India have attended the programme in on-line mode.

### (2) ARTIFICIAL INTELLIGENCE IN BIOMEDICAL ENGINEERING: CURRENT TRENDS AND FUTURE

The department of Electrical and Instrumentation Engineering, successfully organized the ATAL FDP (online) from July 5-9, 2021 on "Artificial Intelligence in Biomedical Engineering: Current Trends and Future". The inauguration was held on 5<sup>th</sup> July 2021 online at 09:00 am. Chief Guest of the program was Prof. Sunil Kumar Gupta, Vice Chancellor, Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal. The chief guest congratulated the institute for organizing the programme on such an important topic. Prof. Shailendra Jain, Director SLIET and Patron of FDP stressed on the significance and role of such type of programmes to transfer knowledge. Prof. A S

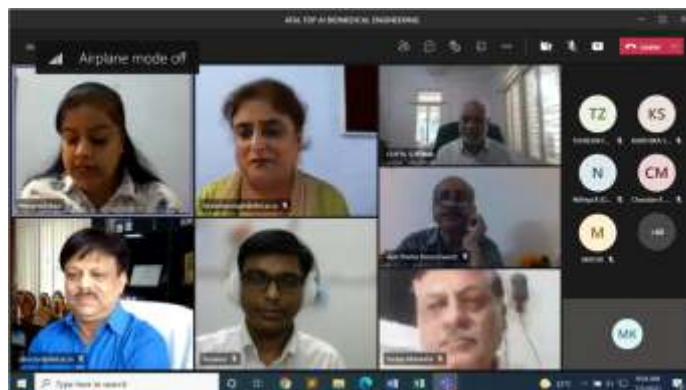
Arora, Dean Academics, and Co-Patron of the FDP appreciated the efforts of All India Council for Technical Education, New Delhi for funding the FDP under ATAL. Prof. Sanjay Marwaha, HOD EIE and Convener of the FDP highlighted the achievements of department in last three years. Prof. Manpreet Kaur, coordinator of the FDP, extended a warm welcome note and introduction of the course, highlighted the importance of Artificial Intelligence, Machine learning and its application. Dr. Ashwani Aggarwal, coordinator of the FDP, proposed the vote of thanks. A total of 161 participants attended the course. There were 14 expert talks during five days. Prof. M. K. Bhuyan IIT Guwahati, Dr. Deepak Joshi, IIT Delhi, Dr. Niladhari Bihari IIT Bhubaneswar, Prof. J. S. Sahambi IIT Ropar, - Dr. Sudhir Kumar, IIT Patna, Prof. Dharmendra Singh IIT Roorkee, Dr. Amit Kamra GNDEC Ludhiana, Prof. Dilbag Singh NIT Jalandhar, Prof. A.S. Arora, SLIET, Dr. Tapas From HBCH, Sangrur, Prof. Sukhwinder Singh UIET PU Chandigarh, Mr. Siva Teja and Mr. Akash, Data Scientists from Niramai Health Analytix (industry person in the field of Biomedical Instrumentation), Dr. Ashwani Aggarwal from SLIET and Mr. Gurmeet Singh Hora, certified emotional intelligence practitioner delivered their talks during this course. During these five days' course, the biomedical signal processing for ECG, EEG, EMG were covered, the image



processing for various modalities like X ray images, thermal images were covered along with the deep insight of machine learning and deep learning techniques. The insight of the fully deployed expert system was given by expert from industry and hands on sessions on ORANGE, and Python with Jupiter and Spider were also conducted.

### (3) ATAL FDP ON GREEN TECHNOLOGY

The department of Electrical and Instrumentation Engineering of the institute organized AICTE sponsored ATAL Faculty Development Programme on Green Technology during 23-27, August 2021. A total of 96 participants attended the programme. Sh. S. K. Mishra, Director (Power



System) of Solar Energy Corporation of India Limited (SECI), New Delhi was the chief guest in the inaugural ceremony. The coordinators of the FDP were Dr. Pratibha Tyagi and Dr. Ashwani Aggarwal.

## IEEE STUDENT BRANCH WORKSHOP ON SOCIALIZING THROUGH SOCIAL MEDIA



IEEE Student Branch of the institute organized a workshop "Socializing Through Social Media" on 2<sup>nd</sup> September 2021. The workshop was sponsored by IEEE Delhi Section under IEEE R10 Educational Activities Social Media Challenges. A total of 74 participants attended the workshop. Prof. Celia Shahnaz, 2021-23 Chair, IEEE Signal Processing Society Women in Signal Processing Committee interacted with the participants of the workshop. IEEE Student Branch of the institute organized a workshop "Socializing Through Social Media" on 2<sup>nd</sup> September 2021. The workshop was sponsored by IEEE Delhi Section under IEEE R10 Educational Activities Social Media Challenges. A total

of 74 participants attended the workshop. Prof. Celia Shahnaz, 2021-23 Chair, IEEE Signal Processing Society Women in Signal Processing Committee interacted with the participants of the workshop.

## ACTIVITIES UNDERTAKEN BY INDIAN INSTITUTE OF CHEMICAL ENGINEERS (IICHE) STUDENT CHAPTER

Ms. Karnika Singh from IIT Kanpur delivered a guest lecture to all the Chemical Engineering students on "Why Chemical Engineering?: Opportunities and Growth" on August 2, 2021. Students participated very enthusiastically.

A webinar on "Gateways to higher Studies after B.Tech. in Chemical Engineering" was organised on August 16, 2021. Mr. Himanshu, MS (Research) IIT Madras delivered a talk on the topic followed by a question answer session. Students participated very enthusiastically in the session and gained a lot of knowledge.







A workshop for all the students of SLIET on Career in Civil Services in Collaboration with VISIONIAS was conducted on Sept 11, 2021 at 5.00 pm. Ms Prachi Ailawadhi Mishra, IRS, 2017 batch officer posted at Indore interacted with the students.

All these events were coordinated by Prof. Kamlesh Kumari, Co-ordinator of Indian Institute of Chemical Engineers (IICChE) Student Chapter.



## TRAINING AND PLACEMENT ACHIEVEMENTS / ACTIVITIES

During July to September 2021, following activities were conducted by the Department of Training and Placement of the Institute.

### 1. Campus Placement activities:

Ms. Amritanjali Kumari (Electronics & Communication Engineering 2017-2021 Batch Student) was offered the higher salary package in Walmart Global Technology Services India Private Limited.

During July to September 2021 under able guidance of Prof. Shailendra Jain, Director, SLIET and the department of Training and Placement successfully conducted the virtual hiring process of difference corporates for the batches 2017-2021 and 2018-2022 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 the SLIET students.

S.NO.	NAME OF COMPANY	BATCH	Number of Selected Students
1	WALMART GLOBAL TECHNOLOGY SERVICES INDIA PRIVATE LIMITED	2017-21	01
2	HPCL-MITTAL ENERGY LTD. (GURU GOBIND SINGH REFINERY)		02
3	ANVIAM SOLUTIONS PVT. LTD		04
4	ALP NISHIKAWA CO. PVT. LTD		02
5	NEWGEN SOFTWARE TECHNOLOGIES LTD		05
6	MAHINDRA & MAHINDRA LTD		09
7	ISGEC HEAVY ENGINEERING LTD,		03
8	NESTLE INDIA PVT.LTD., MOGA		03
9	DHAMPUR SUGAR MILLS LIMITED		04
10	INFOSYS LIMITED (HackWithInfy 2021)		05
11	INFOSYS LIMITED (InfyTQ 2021)	2018-22	03
12	COGNIZANT TECHNOLOGY SOLUTIONS INDIA PVT LTD		07
13	CAPGEMINI TECHNOLOGY SERVICES INDIA LIMITED		17
14	IBM		07

### 2. Selection of Student Placement Representative (SPR):

The department of Training and Placement of the institute is going to start the placement activities for 2019-2023 Batch. For smooth conduct of the placement activities, department wise Student Placement Representative (SPR) were selected.

## FACULTY NEWS



- Dr. Ashwani Kumar, AsP (EIE)**, has been granted a Collaborative Project from Asia-Pacific Network for Global Change Research under its Capacity Development Programme (CAPaBLE) on "Knowledge

sharing and capacity building for precision Agriculture" [Ref: CBA2021-02MY-Avtar, 13 Aug 2021, Dec 2021 to 23 (2 Yrs)

Amount : 75000 USD

Funding Agency : Asia-Pacific Network, Japan

Countries Involved – Bangladesh, India, Japan, Malaysia, Indonesia, Viet Nam  
Indian Collaborators – Dr Ashwani Agarwal, AsP (EIE), SLIET

PI – Dr Ram Avtar, Japan

- Prof. A. S. Arora and Dr. Ashwani Agarwal**, Deptt. of EIE, bagged and got approval of ethical committee, a Collaborative project of on "Non-Invasive application of Thermal Imaging to Co-relate Clinically Node Positive Head & Neck Cancer" in association with Homi Bhabha Cancer Hospital & Research Centre, Sangrur, Punjab.



3. **Prof. Pardeep Kumar Jain and Prof. Sarika Jain** have written a book titled "Life Skills For Skyrocketing Success". The book was formally launched by Director SLIET on 21.08.2021, in the presence of Director, SPA, Vijayawada, Vice Chancellor Maharaja Agrasen University, Spiritual leaders and Students. The book covers various topics such as Public Speaking, Compassion and Empathy, Learning Life Skills from Sports, You must adjust to life because life is not going to adjust to you have been beautifully elaborated. The book is available on Amazon and flipkart.



## NEW ADDITIONAL RESPONSIBILITIES IN SLIET (JUL.-SEPT., 2021)

### NEW DEANS

1. **Prof. Rajesh Kumar**, Professor (Mech. Engg.) has been assigned additional duties/responsibilities of Dean (Student Welfare) w.e.f. 20.07.2021 for a period of two years.
2. **Prof. J.S. Dhillon**, Professor (EIE) has been assigned additional duties/responsibilities of Dean (Academics) w.e.f. 24.07.2021 for a period of two years.
3. **Prof. A.S. Arora**, Professor (EIE) has been assigned additional duties/responsibilities of Dean (Faculty & Staff Welfare) w.e.f. 15.09.2021 for a period of two years. He has also been given additional duties of Coordinator (IQAC) and Public Grievance Officer.



3. **Prof. Avinash Thakur**, Professor (Chemical Engg.) has been assigned additional duties/responsibilities of Associate Dean (Planning & Development) w.e.f. 16.09.2021 for a period of two years.



### NEW HEADS OF DEPARTMENTS

1. **Prof. Surita Maini**, Professor (EIE.) has been assigned additional duties/responsibilities of HoD (EIE) w.e.f. 13.07.2021 for a period of three years.
2. **Prof. R.K. Saxena**, Professor (Mech. Engg.) has been assigned additional duties/responsibilities of HoD (Training & Placement) w.e.f. 01.08.2021 for a period of three years.
3. **Prof. Pushpa Jha**, Professor (Chemical Engg.) has been assigned additional duties/responsibilities of HoD (Chemical Engg.) w.e.f. 16.09.2021 for a period of three years.



### NEW ASSOCIATE DEANS

1. **Prof. Anupama Marwaha**, Professor (ECE) has been assigned additional duties/responsibilities of Associate Dean (Student Welfare) w.e.f. 16.07.2021 for a period of two years.
2. **Prof. J.S. Ubhi**, Professor (ECE) has been assigned additional duties/responsibilities of Associate Dean (Academic Planning) w.e.f. 01.08.2021 for a period of two years.



### NEW CHIEF WARDENS

1. **Prof. Sukhcharan Singh**, Professor (Food Engg. & Tech.) has been assigned additional duties/responsibilities of Chief Warden (Boys) w.e.f. 01.08.2021.
2. **Dr. Pratibha Tyagi**, Associate Professor (EIE.) has been assigned additional duties/responsibilities of Chief Warden (Girls) w.e.f. 16.07.2021.



### 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) **Chief Student Designer** : Meharpreet Singh (GCS-2K20)  
**Editors** : Dr. Vinod Kumar Verma, Assistant Professor (CSE), Dr. Pratibha Tyagi, Associate Prof. (EIE);  
 Mr. Vipul Singhal Asst. Prof. (ECE), Er. Vinod Meena, Asst. Prof. (CE); Dr. Vivek Kumar, Asst. Prof. (ME)  
 Dr. R. K. Guha, (Maths); Dr. R.K. Saxena, Head (T&P), Dr. Om Chand, Sr. Tech. (FET)  
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