



ANSHUMAT

VOL. III, ISSUE IV (OCT. – DEC. 2020)

Quarterly Newsletter of

Sant Longowal Institute of Engineering and Technology, Longowal-148106

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

संत लोंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान लोंगोवाल-148106

भारत शासन अधीन सम विश्वविद्यालय

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INDUCTION PROGRAM FOR NEW FACULTY

**"Teachers have three loves : love of learning, love of learners,
and the love of bringing the first two loves together"**

– Scott Hayden



Teaching professionals are expected to assume the obligation to conduct in accordance with the ideals of the profession. A teacher is constantly under the scrutiny of students and the society at large. The profession demands continuous updating of the subject knowledge throughout life. Teacher qualities include calmness, patience, communicative temperament and amiableness in disposition.

To inculcate this feeling, a one-week Induction Program for the newly joined faculty was organised by SLIET from Dec. 01-07, 2020. 10 faculty members participated in it. To motivate and inspire the newly recruited young faculty, as envisioned by the **Director Prof. Shailendra Jain**, this induction program was conducted. This helped them to understand the requirement of the profession, work together to achieve better results and contribute towards the tangible growth of the institute. Director, Deans and other Senior Faculty shared their thoughts about Effective Teaching, Outcome Based Education, Class Room Management, Exam and Evaluation System, Procurement System, Conduct Rules, their Role in Institute Growth and Expectations of institute from them. Newly joined faculty appreciated the efforts made in this direction and extended thanks to Institute administration. They pledged to prove their utility for Teaching Profession.



उन्नति का महत्व

"उन्नति की आकांक्षा रखना मनुष्य का स्वभाव है इसे प्राप्त करने के लिए दृढ़ संकल्प की आवश्यकता होती है इसलिए खुश रहने के लिए संकल्प शक्ति बढ़ायें। परन्तु यह भी ध्यान रखना है कि संपत्तियां, पैसा, उपलब्धियां, प्रतिष्ठा, सम्मान व पद का कोई महत्व नहीं है यदि हम खुश नहीं हैं।"

सदा प्रसन्न रहें

Make the change happen

**Change doesn't happen when
circumstances improve.**









**Change happens when We decide to
improve our circumstances!**






INDEX

Sr.No.	Article	Page
1.	Induction Program for New Faculty	1
2.	Newly Joined SLIET Faculty	2
3.	गाँधी जयंती की 150वीं बर्षगाँठ समारोह का आयोजन	3
4.	Post Lockdown Academic Activities	4
5.	Student Orientation cum Induction Programs	4
6.	100th Video Lecture by Prof. Harish Chopra	5
7.	Activities of SLIET Health Center	5
8.	Faculty News	6
9.	Webinars/Workshops/STC/STTP/ FDP/Conferences	7
10.	Activities of Communication Skills and Personality Development (CSPD) Cell	9
11.	Unnat Bharat Abhiyan (UBA) Cell Events	10
12.	Other Events and Activities	10
13.	Training and Placement Cell Activities	11

NEWLY JOINED SLIET FACULTY

S. No.	Name & Photo	Department	Date of Joining	Qualification, Year and Institute	Research Areas
1.	 Dr. Amar Nath	Computer Science & Engineering	03/11/2020	<ul style="list-style-type: none"> Ph.D. (2020), IIT Roorkee M.Tech. (2014), NIT Rourkela 	<ul style="list-style-type: none"> Artificial Intelligence Multiagent systems Formal Verification Distributed Systems
2.	 Dr. Tajinder Singh	Computer Science & Engineering	20/11/2020	<ul style="list-style-type: none"> Ph.D. (2019), NIT Hamirpur M.Tech. (2013), PTU Jalandhar 	<ul style="list-style-type: none"> Text Mining Machine Learning Burst event identification of social media Text analytics
3.	 Dr. Daya Sagar Gupta	Computer Science & Engineering	10/12/2020	<ul style="list-style-type: none"> Ph.D. (2018), IIT (ISM), Dhanbad M.Tech. (2014), IIT (ISM), Dhanbad 	<ul style="list-style-type: none"> Information Security Lattice-based Cryptography Blockchain IoT Security
4.	 Jagdeep Singh	Computer Science & Engineering	02/11/2020	<ul style="list-style-type: none"> Ph.D. (Pursuing), Netaji Subhas Institute of Technology, Delhi M.Tech. (2016), Kamla Nehru Institute of Technology 	<ul style="list-style-type: none"> Machine learning Artificial intelligence Opportunistic networks Federated Learning
5.	 Dr. Jaspreet Singh	Electrical & Instrumentation Engineering	21/10/2020	<ul style="list-style-type: none"> Ph.D. (2020), SLIET, Longowal M.Tech. (2015), SLIET, Longowal 	<ul style="list-style-type: none"> Medical Thermal imaging Sinusitis and breast cancer Biomedical signal and Image processing
6.	 Dr. Rishabh Verma	Electrical & Instrumentation Engineering	05/11/2020	<ul style="list-style-type: none"> Ph.D. (2019), IIT Hyderabad M.Tech. (2013), NIT Kurukshetra 	<ul style="list-style-type: none"> Distribution grid Demand response programs Optimization Integration of renewable resource
7.	 Dr. Kundan Kumar	Electronics & Communication Engineering	16/10/2020	<ul style="list-style-type: none"> Ph.D. (2020), IIT (ISM), Dhanbad M.Tech. (2015), IIT (ISM), Dhanbad 	<ul style="list-style-type: none"> 5G Antennas and Circuits RF and Millimeter Wave Antennas RF Sensors Computational electromagnetics
8.	 Dr. Yogesh Verma	Mechanical Engineering	06/11/2020	<ul style="list-style-type: none"> Ph.D. (2019), IIT Kharagpur M.Tech. (2014), NIT Rourkela 	<ul style="list-style-type: none"> Structural vibration (dry and wet structures) Closed form solutions Modelling and fluid Structure interaction

9.	 Divesh Bharti	Mechanical Engineering	16/10/2020	<ul style="list-style-type: none"> M.Tech. (2019), IIT, Mandi 	Thermal and Fluids Computational Fluid Dynamics
10.	 Ashwani Kumar	Food Engineering & Technology	14/10/2020	<ul style="list-style-type: none"> M.Tech. (2017), Institute of Chemical Technology, Matunga 	Oil Technology Corbohydrate Chemistry Product Development Optimization
11.	 Sudhir Kumar	Mathematics	10/11/2020	<ul style="list-style-type: none"> Ph.D. (Pursuing), IIT Roorkee M.Sc. (2012), IIT Roorkee 	Numerical solutions of partial differential equations using B-splines-based techniques

गाँधी जयंती की 150वीं वर्षगाँठ समारोह का आयोजन

संत लोंगोवाल अभियांत्रिकी एवं प्रौद्योगिकी संस्थान, लोंगोवाल में राजभाषा (हिन्दी) विकास समिति के तत्वावधान में 'सत्य व अहिंसा' के सच्चे अनुयायी महात्मा गाँधी जी के जन्म की 150वीं वर्षगाँठ, जिसे 2 अक्टूबर, 2018 से 2 अक्टूबर, 2020 तक की अवधि में मनाये जाने का निर्देश भारत सरकार द्वारा जारी किया गया था, समारोह एवं 'जय जवान, जय किसान' के प्रणेता लाल बहादुर शास्त्री की जयन्ती का आयोजन 2 अक्टूबर, 2020 को संस्थान के जगदीश चन्द्र बोस सभागार में किया गया। इस समारोह का शुभारंभ निदेशक प्रो. शैलेन्द्र जैन ने अपने सहयोगी अधिकारियों, अधिष्ठाता (छात्र कल्याण) प्रो. डी.सी. सक्सेना, अधिष्ठाता (शैक्षणिक) प्रो. अजात शत्रु अरोड़ा, अधिष्ठाता (शोध व परामर्श) प्रो. ए.एस. धालीवाल, अधिष्ठाता (योजना व विकास) प्रो. पी.एस. पनेसर एवं जनसम्पर्क अधिकारी व रसायन विज्ञान विभागाध्यक्ष डा. दमनजीत सिंह तथा राजभाषा (हिन्दी) विकास समिति के अध्यक्ष राज कुमार यादव के साथ मिलकर अंधकार को मिटाकर प्रकाश देने के लिए दीपों की श्रृंखला प्रज्वलित कर किया और भारत के दो महान सपूतों, गाँधी जी एवं शास्त्री जी, की प्रतिमा को पुष्प भेंटकर नमन किया। तत्पश्चात संस्थान कुलगीत के बाद समिति के अध्यक्ष ने महात्मा गाँधी जी की 150वीं वर्षगाँठ के उपलक्ष में आयोजित कार्यक्रमों के साथ ही सादगी व जीवन मूल्यों के संघर्ष के अप्रतिम नायक लाल बहादुर शास्त्री की जयन्ती की याद में आयोजित समारोह में सभी की भागीदारी का हार्दिक स्वागत किया तथा कोविड-19 के दौर में अद्यतन जारी दिशा-निर्देश के अनुरूप प्राप्त सहयोग हेतु सभी का आभार व्यक्त किया। इस अवसर पर अधिष्ठाता (छात्र कल्याण) प्रो. डी.सी. सक्सेना ने अपने सम्बोधन में पंचतंत्र से ली गयी हंस-हंसिनी एवं उल्लू की कहानी के माध्यम से न्याय, न्यायाधीश व दुष्ट की सही पहचान पर प्रकाश डाला। अधिष्ठाता (शैक्षणिक) ने संविधान में उल्लेखित असहमति के अधिकार की चर्चा की एवं समय व परिस्थिति के आलोक में गाँधी जी व शास्त्री जी के जीवन दर्शन से आत्मावलोकन कर अपनी आवश्यकता की पूर्ति के लिए कार्य करने का अह्वान किया।

संस्थान निदेशक प्रो. शैलेन्द्र जैन ने अपने अध्यक्षीय भाषण में गाँधी जी के विचारों एवं कर्मों की व्यापकता व प्रासंगिकता की विस्तृत चर्चा की तथा शास्त्री जी के विचार, व्यवहार व कर्म पर प्रकाश डाला। उन्होंने कर्मचारियों, शोध-छात्रों तथा संकाय सदस्यों का आह्वान किया कि वे भारत के इन दो महान सपूतों, जिनकी जयन्ती एक साथ मनायी जाती है, के जीवन-दर्शन व मूल्यों को अपने जीवन में उतारें जिससे अपने जीवन में उन्नति सुनिश्चित हो पायेगी, भारत की एक विशिष्ट पहचान बन पायेगी तथा भारत की सांस्कृतिक विरासत में रची-बसी श्वसुधैव कुटुम्बकम् का सपना साकार हो पायेगा।

इस अवसर पर प्रो. राजेश कुमार, प्रो. कमलेश प्रसाद, प्रो. एम. एम. सिन्हा, प्रो. अविनाश ठाकुर, श्री हरजीत सिंह एवं आयोजन समिति सदस्य श्री सरबजीत सिंह, श्री मनदीप सिंह, डा. इन्द्राज सिंह व श्री जगदीश चन्द्र सहित विभिन्न विभागों के अध्यक्ष, अनुभाग अधिकारी, कर्मचारी एवं संकाय सदस्य उपस्थित थे।

धन्यवाद ज्ञापन रसायन विभाग के विभागाध्यक्ष डा. दमनजीत सिंह ने किया। समारोह का समापन राष्ट्रगान के साथ सम्पन्न हुआ।



POST LOCKDOWN ACADEMIC ACTIVITIES

Online Registration: The Institute successfully managed to provide remote access for payment of semester fee and registration through ERP. In view of economic slowdown due to pandemic, the Institute facilitated the students by extending fee window and date of registration.

Online Teaching: In view of the continued lockdown due to covid-19 pandemic, the odd semester of the academic year 2020-21 was conducted online. Based on multiple rounds of discussions with CRs, the Institute selected the suitable online delivery platform and engaged G-suite for the purpose. Training sessions for the faculty were conducted to familiarize them about the online teaching. Keeping in view the constraints and remote locations of most of the students, the teaching and evaluation of this semester was done in two phases. Fifty percent load was offered in phase I, which started on 10.08.2020 and concluded on 04.10.2020. The rest of the teaching was

offered in Phase II from 19.10.2020 to 31.12.2020. Summer term were also conducted in online mode for ICD and UG passing out batches.

'No Dues' and other certificates through ERP: Physical movement to various sections to get the "No Dues" certificate was a big issue. Under prevailing situation, the Institute made it possible to offer "No Dues" feature online through ERP. Facility is also created to get various certificates (Bonafide, Migration, Character certificate, duplicate DMC etc.) through ERP in online mode.

Standing committee of Senate: In view of changing scenario, there was a need to take policy decisions on academic matters. The Senate in its 29th meeting constituted standing committee of Senate. Six meetings took place to address matters related to academics and student's concerns. (The efforts of Academic team, Accounts Section and ERP Team are appreciable).

Department	Lab Name/Dept.	Status	Dues	Paid	Balance	Remarks	Approved By	Approved Date
Academic Dept.	ICD	No Dues	0.00	0.00	0.00	Pending		14/10/2020
Mechanical Engineering	CAD/CAM, SPM, TOM, CDR, DMR	No Dues	0.00	0.00	0.00	Rajesh Kumar		12/10/2020
Mechanical Engineering	SABH, PAC & HT, METROLOGY	No Dues	0.00	0.00	0.00	Rajesh Kumar		12/10/2020
Mechanical Engineering	AUTOCAD & AUTOMOBILE SIMULATION & PROJECT, SPM LAB	No Dues	0.00	0.00	0.00	Rajesh Kumar		12/10/2020
Mechanical Engineering	THERMAL & ICE ENGINE, FLUID MECHANICS, ADVANCED CASTING	No Dues	0.00	0.00	0.00	Rajesh Kumar		12/10/2020
Mechanical Engineering	WELDING METALLURGY, AWC, CENTRE FOR INNOVATION, ADVANCED MACHINING, ADDITIVE MANUFACTURING	No Dues	0.00	0.00	0.00	Rajesh Kumar		12/10/2020
Library Dept.	Library Dept.	Stop	0.00	0.00	0.00	Pending		
Library Dept.	Library Dept.	Stop	0.00	0.00	0.00	Pending		

No Dues Module on ERP



ORIENTATION CUM INDUCTION PROGRAMS

ICD and UG (Second Year) Students - To introduce the newly admitted ICD and UG (Second Year) Students with SLIET fraternity, the on-line Orientation Programmes were organised during 4th -7th November 2020 and 25th - 28th November 2020 respectively. These events were lined up with the diversity of lectures, and presentations conducted for the students.

The events started with inspirational session of Prof. Shailendra Jain, Director, SLIET Longowal. He motivated the student to follow healthy lifestyle and overall personality development and also encouraged students to be environment friendly. Prof. D.C. Saxena, Dean Student Welfare briefed the students about the different clubs, committees and discipline rules about the institute. Prof. Ajat Shatru Arora Dean Acad. familiarised them about the academic journey in upcoming years. The students were introduced with the counselling system and their class counsellor by Prof. M. M. Sinha, Chief Counsellor. Chief Wardens, Prof. J. S. Ubhi, Prof. Vikas Nanda and Prof. Surita Maini, briefed the students about the hostel system and Do / Don'ts in the Institute. Senior

Physical Instructor Dr. S. S. Punia introduced the students about sports and other curricular activities in the institution. Lastly all the head of the departments gave a brief introduction about their respective departments. Through these induction programs, the students were made to realise their inner potentials and transform knowledge into achievements. The students are motivated to create a better future, nurture their potentials, develop a mind-set and deliver the best for the society.

Release of Institute Annual Magazine 'SRIJAN 2019-20'

2019-20 edition of the Institute annual magazine 'SRIJAN' was released by Director SLIET Prof. Shailendra Jain on 4th of November 2020 during the Induction programme of ICD 2020 batch through online mode. Prof. A.S. Arora, Dean(Academics), Prof. D. C. Saxena, Dean(SW) Prof. Harish Chopra, Registrar, Dr. Sanjeev Kumar Garg, Chairman (Magazine Committee) besides Prof. M. M. Sinha, Chief Counsellor, Prof. J. S. Ubhi, Prof. Vikas Nanda and Prof. Surita Maini, Chief Wardens, Prof. Rajesh Kumar, Ms. Pritpal Kaur Buttar and Dr. S.S. Punia also graced the event. To

make the new students of ICD 2020 familiar with the culture of the Institute, hard copies of the magazine were dispatched by the Institute to about 470 students by post at their home addresses for the first time in the history of the Institute.

UG Students - An induction program of newly admitted

UG students was organized successfully by Universal Human Value Cell of SLIET during December 04-07, 2020 through online mode (Microsoft Meet). This program was coordinated by Prof. Arvind Jayant, UHV Cell SLIET, Longowal. During orientation program, two motivations talk from the out-side experts were conducted as given below:

S. No.	Date & Time	Name and Designation of Experts
1.	04.12.2020	Mr. Sunny Kabrawala, Founder CEO & Director Space Technology & Aeronautical, Rocketry Star Laboratory, Surat, India
2.	05.12.2020	Prof. (Dr.) Vijay Kumar Sukhwani, Professor, Motivational Speaker, Trainer & Poet Mechanical Engineering Govt Engineering College, Ujjain (MP)





Glimpses of the orientation cum induction program UG First Year Students

100th Video Lecture by Prof. Harish Chopra

Prof. Harish Kumar Chopra, Chemistry prepared 100th video lectures for PG / UG students in the area of Chemistry on YouTube. These lectures can be accessed on the following web page.

<http://library.sliet.ac.in/dr-harish-chopra-prof-chemistry/>



Prof. Shailendra Jain, Director, SLIET, releasing 100th Video Lecture along with Prof. Harish Kumar Chopra & Prof. A.S. Arora (December 09, 2020)

Activities of SLIET Health Centre

To deal with the emotional problems and difficulties faced by students in coping up with COVID-19 situation, online counselling sessions are being conducted on weekly basis by two visiting counsellors Dr. (Mrs.) Sherrain Rattan and Dr. (Mrs.) Harpreet Kaur for ICD and UG students of different departments. Average participation of students more than 70 % has been reported. Few highlights of the sessions are projected below:



COVID-19 Testing Camps are also being weekly conducted by COVID testing team, deputed by District Health Authorities at SLIET Health Centre as precautionary measure and to prevent COVID-19 infection in the campus.



COVID-19 Testing Camp at SLIET Health Centre

FACULTY NEWS





Patents

A design patent on "Multi point tapper device for pressurizing piezoelectric element" has been granted in the month of October 2020 to Sant Longowal Institute of Engineering & Technology, Prof. Rajesh Kumar and Ph.D. Scholar Mr. Nitin Yadav of Mechanical Engineering Department.

Awards and Achievements

SLIET Faculty among World Top 2% Scientists

The following Professors have been listed in the most coveted list of "WORLD RANKING OF TOP 2% SCIENTISTS".

	PROF. SHAILENDRA KUMAR JAIN Director, SLIET (Electrical & Electronic Engineering)
	PROF. PARMJIT SINGH PANESAR Dean (P&D) (Biotechnology)
	PROF. DILIP KUMAR (Networking & Telecommunications)
	PROF. DHIRAJ SUD (Chemistry)

The subject-wise analysis has been conducted by a team of scientists at Stanford University, USA, and the database has been published in the journal PLOS Biology on October 16. The Stanford team has created a database of over 1 lakh top scientists of the world on the basis of standardized citation indicators, such as information on citations, H-index, co-authorship and a composite indicator.

Director, SLIET, who also bagged the laurel to the Institute, congratulated the Professors for bringing laurels to the Institute.

► **Prof. Parmjit S. Panesar, (FET)** has been selected for the award of prestigious 'INSA Teachers Award (2020)' by Indian National Science Academy. The Academy has instituted the INSA Teachers Award to recognize and value excellence, consistency and high level of teaching in Indian Colleges, Universities and Institutions. INSA Teachers Award carries a scroll, a cash award of Rs. 50,000/- and a onetime book grant of Rs. 20,000/-. The presentation of the Awards is generally made by the President, INSA, at the time of Anniversary General Meeting.

► Keeping up the spirit of 'Fit India Movement', **Dr. Sanjeev Kumar Garg, Associate Prof. (M&H)** ran in World famous Airtel Delhi Half Marathon 2020 on November 29, 2020 organised by Procam International and won Finisher's Medal in the



event. He completed the 21.1 KM marathon in his personal best 2 Hours and 40 seconds. He secured 193rd position among 800 participants in the 21.1 KM category.

► **Prof. Arvind Jayant, (ME)** was awarded "**ULEKTZ WALL OF FAME -2020 Certificate**" by the Academic Council of ULEKTZ as one of the Top 50 Expert Faculties in the field of Automobile/Bio-Chemical /Industrial Engineering / Environmental/ Ceramic / Bio-Technology Engineering Across India for the year 2019 on 30 November 2020.

Prof. Dhiraj Sud (Chemistry) has been selected an executive committee member of "ABA Biforum" under the aegis of Asian Polymer Association, a society dedicated to the development and innovations in Polymer Science and Technology in the month of November 2020.

SPONSORED PROJECTS / GRANT DETAILS

► **Prof. Harish Kumar Chopra** (Chemistry) has been granted consultancy project from "Pharmaffillates Analytics & Synthetics (P) Ltd. Panchkula, Haryana, India".

► Project Memorandum Exchange Vide reference No. BT/HRD/01 /05/ 2018, Government of India, Ministry of Science & Technology, New Delhi. A project was sanctioned for Entrepreneurship Development Programme (EDP) under **Prof. (Dr.) Ravi Kant Mishra as Project Coordinator** to the institute. On 26/11/2020, Head (T&P) has visited the department of Punjab State Council for Science & Technology, Chandigarh to



exchange the Memorandum of Agreement signed by **Prof. (Dr.) Shailendra Jain**, Director SLIET Longowal and **Dr. Jatinder Kaur Arora**, Executive Director, Punjab State Council for Science & Technology, Chandigarh.

► **Prof. Surinder Singh Sodhi**, HOD(ECE), received an amount of Rs. One Lac in the month of November 2020 under Shastri Publication Grant (SPG), Grant Agreement 2020-21. The grant is supported by funds from the Ministry of Education (MoE), Government of India.

RESEARCH PAPER PUBLISHED

► **Mr. Saurabh Sharma**, Research Scholar and **Dr. Vinod Kumar Verma**, Assistant Professor in the Department of Computer Science and Engineering, SLIET, Longowal published a paper entitled "Security explorations for routing attacks in low power networks on internet of things". The Journal of Supercomputing, An International Journal of High-Performance Computer Design, Analysis, and Use, 2020, Springer. Published Online 26 October 2020. ISSN: 0920-8542 (print); 1573-0484 (web) **Impact Factor: 2.600 (2020) Science Citation Index Expanded (SCIE)**

WEBINARS/WORKSHOPS/STC/STTP/FDP/CONFERENCES

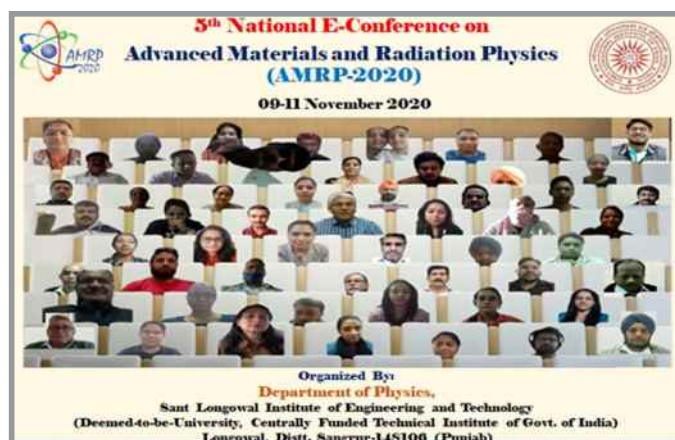
- Electrical and Instrumentation Engineering Department of SLIET Longowal has organized an online STC on "Future of Industrial Automation (FIA-2020) during Oct 05-10, 2020 sponsored by AICTE, New Delhi under QIP scheme. The event was coordinated by Dr. Pratibha Tyagi, AsP (EIE) and Dr. Ashwani Aggarwal, AsP (EIE). The STC was attended by 98 Faculty members from various Institutes. On 10th October 2020, the Valedictory ceremony was graced by Prof. Shailendra Kumar Jain, Director SLIET as chief guest and Prof. Ajat Shatru Arora, Dean (Academics) and Prof. Sanjay Marwaha as HOD (EIE).
- Dr. Kundan Kumar, Assistant Professor (ECE), has delivered an expert talk in 5 days online Workshop on "Advanced Design in RF" held from Nov. 16-20, 2020 under the banner of IEEE HMRITM Student Branch, New Delhi (India).
- Dr. Kundan Kumar, Assistant Professor (ECE), has delivered the webinar on "Future Research on Mobile Handset and its Components" held on Dec. 05, 2020 under the banner of Microwave and Antenna Club (MAC), Department of Electronics and Communication Engineering (ECE), Meerut Institute of Engineering & Technology (MIET), Meerut (India).
- Department of Electronics and Communication Engineering (ECE) has organized a QIP sponsored short term course on "Recent Trends in Electronics and Communication Engineering (RTECE-2020)" during Dec. 20-25, 2020 (Online Mode). The event was coordinated by Dr. Amar Pratap Singh, Prof. (ECE) and Er. Pankaj Kumar Das, AP (ECE). A total of 70 participants have attended the course.
- Dr. Sunil Kumar, AP(ME) trained 75 Students through online training in the field of "Robotics and Automation" during Nov. 01-14, 2020 in coordination with NPIU.
- A One week online short-term course on 'Advanced Manufacturing Technology & Applications (AMTA 2020)' was organized by Department of Mechanical Engineering from Nov.23 -28, 2020. Prof. Shankar Singh and Dr. Indraj Singh performed the duty of coordinator of this STC. Chief Guest of inaugural function was Prof. Sarat Kumar Patra, Director, IIIT Vadodra. The Guest of Honour was Prof. J L Bhagoria, Dean (SW), Maulana Azad National Institute of Technology, Bhopal. Eminent Speakers from India and abroad delivered the talks on emerging areas. A total of eligible 78 faculty members, 18 participants from industries and 13 Research Scholars/ Research Assistants from different parts of India attended the e-STC.
- Dr. Rajesh Kumar, Professor and Head (Mechanical Engineering) delivered expert talk in Industry & Academia Conclave on The Future of Engineers: Opportunity and Challenges Today and Tomorrow; organized online by Punjab Engineering College, Chandigarh under TEQIP-III during Dec.10-12, 2020.
- Dr. Sunil Kumar, AP(ME) delivered an expert talk in one-week Faculty Development Program on "Tools and Techniques for Effective Research" held during Dec.14-18, 2020 organized by IKGPTU, Amritsar Campus.
- Dr Shankar Singh, Professor (Mechanical Engg.) acted



as Session Chair (online mode) of Technical Session in 11th International Conference on Materials Processing & Characterization-2020 (ICMPC 2020) organized by Department of Mechanical Engineering, IIT, Indore during Dec.15-17, 2020.

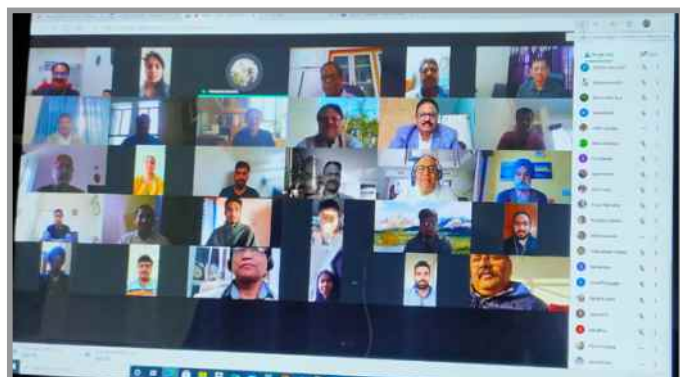
- Dr. Indraj Singh chaired a session in International conference on Futuristic and Sustainable Aspects in Engineering and Technology (FSAET-2020) Organized by Department of Mechanical and Civil Engineering of GLA University Mathura, UP, during Dec. 18-19, 2020.
- A STC was organized on "Implications and Realities of Industry 4.0" under TEQIP-III by the Department of Mechanical Engineering from Dec.21-25, 2020. Prof. Pardeep Gupta and Prof. Jagtar Singh acted as convenors & Dr. Sunil Kumar, Dr. Harish Kumar and Er. Sumit Kumar from Mechanical Engineering department served as coordinators. The course was attended by 36 participants.
- Dr. Sunil Kumar, AP(ME) Chaired the session online for track: Role of Materials in Industrial Engineering, International Conference-CAMSE-2020 held during Dec. 28-30, 2020 organized by B R Ambedkar National Institute of Technology, Jalandhar, Punjab.
- The Department of Physics has organised three day 5th National e-Conference on Advanced Materials and Radiation Physics (AMRP-2020) during Nov. 09-11,

2020 via online mode under the chairmanship of Dr. M. M. Sinha, Professor & Head, Department of Physics and Prof. S S Verma as Organising secretary. This conference was held in continuity since 2009 (once in two years) keeping in view the enthusiastic response of research fraternity from all over the country during the past conferences held in 2009, 2011, 2013 & 2015. In this conference about 240 researchers from all over the country have submitted their manuscripts and have shown interest in participation. 210 papers were presented via online mode on different aspects of the conference theme. The presented papers were submitted to American Institute of Physics (AIP) conference proceedings for publication after following peer review process. The AIP Conf. Proc. is indexed in



leading databases—Web of Science, Scopus and Inspec etc. The e-Abstract Book of the 5th National e-Conference on Advanced Materials and Radiation Physics (AMRP-2020) was released by honourable director during inaugural function of the conference.

- One-week Online Short Term Course on "Recent Advances in Optical and Magnetic Materials" during Dec.14-18, 2020 Sponsored by TEQIP-III (Under Twining Activity with NIT Uttarakhand). The coordinators of the course were Dr. Hardeep Kumar, HoD Physics, NIT Uttarakhand, Dr. M. S. Khatri, Physics, NIT Uttarakhand and Prof. M. M. Sinha, HoD Physics, SLIET, Longowal
- Department of Mathematics has successfully conducted the 26th International Conference of International Academy of Physical Sciences (CONIAPS XXVI) on "Advances in Relativistic Astrophysics & Cosmology (ARAC-2020)" during Dec. 18-20, 2020. Prof. (Dr.) Ravi Kant Mishra coordinated the event. In this International Conference delegates from 15 different states of the country and abroad have participated.



ARAC-2020 during 18 -20 Dec. 2020

- Prof. Vinod Mishra, Maths has delivered an online invited lecture SrinivasaRamanujan-The Genius: Life and Mathematical Contributions during online seminar "Contribution of Srinivasa Ramanujan in the Field of Mathematics" organized by GurukulaKangri (Deemed University) Haridwar, Dec. 22, 2020 on the occasion of National Mathematics Day 2020.
- Prof. Vinod Mishra, Maths has delivered an online invited lecture SrinivasaRamanujanlyengar-A Number Theorist on National Mathematics Day 2020 organized by Department of Mathematics of Govt. Kamla Devi Rathi Girls PG College, Rajnandgoan (Chhattisgarh) on Dec. 22, 2020.

Activities of Communication Skills and Personality Development (CSPD) Cell

A One-day Online Workshop on "Soft Skills' Proficiency for Engineering Students" was organized on 28th November 2020 by the Communication Skills and Personality Development Cell (CSPD Cell). Prof. DhirajSud (Coordinator), Prof. Jap Preet Kaur Bhangu (Coordinator), Prof. Manpreet Kaur (UG students Coordinator) organized this event under the leadership of Prof. Shailendra Jain, Director SLIET and Prof. A.S. Arora, Dean Academics. The External Expert, Mr. Gurmeet Singh Hora, Project Manager in Refinitive, a certified IATD trainer and a member of John Maxwell team delivered a talk on "Soft Skills for Professional Career". He discussed the importance of soft skills and explained about how to handle stress in the corporate environment. He especially focused on dealing with problems in the wake of ongoing COVID 19 pandemic. In the afternoon session, Ms. Shikha Bajaj, Ex Manager Organization Development at Tech Mahindra Business delivered a talk on "Mastering the 3 Vs of Communication for Success". She explained the 3Vs were

the Verbal, Vocal and Visual dimensions of the communication process. More than 120 students participated in the workshop.

A webinar on "Speeding up Learning and Performance to get notice quickly in the Corporate World - Go There Faster" was organized by the Communication Skills and Personality Development Cell I on 11th December 2020 for the Under Graduate students. The External Expert for the talk was a renowned international authority, Dr. Raman K Attri, Xcelerator Scientist Global Corporate Learning, Singapore. Dr. Attri emphasized the need to stay focused and have positive approach to life and explained the significance of recognizing and strategically utilizing the leverages in the corporate world. The lecture was followed by an active discussion by the students. More than 130 students participated in the webinar.



UNNAT BHARAT ABHIYAN (UBA) CELL EVENTS

As a part of a special initiative to spread some positivity during the depressing time of lockdown, UBA Cell of SLIET with the assistance of Ministry of Social Justice and Empowerment (Government of India), and Artificial Limbs Manufacturing Corporation of India (ALIMCO), organised



a camp for the persons with disabilities at the Longowal. In this initiative, 219 people with various types of disabilities were benefitted with rehabilitation equipment aids including tricycles, hearing machines, artificial limbs, walking sticks and wheelchairs. In addition to this, Unnat Bharat Abhiyan Cell of SLIET Longowal, under the leadership of Director Prof. Shailendra Kumar Jain, UBA Coordinator Prof. Pardeep Kumar Jain and Co-coordinator DrManojGoyal, took special initiatives for its seven adopted villages (Sheron, Lohakhera, Jharon, Killabharian, Namol, Duggan and Badrukhan) during COVID-19 Lockdown period as well as two more villages nearby – Longowal and Bahadarpur. Most of the activities were performed around Longowal because of the Lockdown and few other adjoining adopted villages. An appreciation certificate was issued to SLIET Longowal for UBA by NITTTR, Chandigarh.



Jan Andolan Campaign on 10.10.2020

Honorable Prime Minister Shri Narendra Modi has launched a "Jan Andolan Campaign" for COVID-19 awareness on 08.10.2020. SLIET Longowal has participated in the "Jan Andolan Campaign" on 10.10.2020. 180 UG students of 2k19 batch has participated in the presence of Honorable Director SLIET, Dean (SW), Dr. G.K. Java (Coordinator) and dignitaries in the "Jan Andolan Campaign" and took the pledge through online mode for all necessary precautions that prevent the spread of deadly virus. The three key messages were highlighted "Wear Mask, Follow Physical Distancing and Maintain Hand Hygiene".

OTHER EVENTS AND ACTIVITIES

Rashtriya Ekta Diwas

SLIET celebrated birth anniversary of a true leader and famous as **Loh Purush (Iron Man) of India Late Sardar Vallabh Bhai Patel** on 31st October 2020. The occasion provided everyone the opportunity to re-affirm the inherent strength and resilience of our nation to withstand the actual and potential threats to the **Unity, Integrity and Security** of our country. The Government observes 31st October all over country as a day of special occasion, to foster and reinforce the government's dedication to preserve and strengthen Unity, Integrity and Security of nation by celebrating it as "Rashtriya Ekta Diwas" to commemorate the birth anniversary of Sardar Vallabh

Bhai Patel one of the founding father of republic of India who held offices of the Deputy Prime Minister and Home Minister of India.

71st Constitution Day Celebration

SLIET celebrated 71st Constitution Day on **26th November 2020** with a lot of fervour and enthusiasm. The highlights of the celebrations were the online interactions of Deputy Commissioner Sangrur, Sh. Ramvir (IAS) and Director SLIET, Prof. Shailendra Jain with the students from all over the country, faculty and staff of SLIET. The Deputy Commissioner Sangrur reiterated on the various features of the Constitution which he referred to as a sacrosanct book of the country. He also

emphasized upon the unity in diversity in the country and how the same is reflected in SLIET, Longowal, where students from all over the country, having different cultures, faiths, and beliefs are united and are getting optimum education. Director SLIET, also highlighted upon the significance of Constitutional Values even more in the current pandemic times where the teachers have to bear the responsibility of being custodians and torch bearers for the future generations. He encouraged the entire team SLIET to carry forward the motto of SLIET which is "DUTY First, NATION First". The Director's address was followed by the reading of the Preamble that was joined in by all the participants. The entire event was organized by Prof. Parveen Khanna, Prof. Pardeep Kumar Jain and Prof. Kulwant Singh. The event was continued with a LIVE Telecast of Hon'ble President Sh. Ramnath Kovind Ji's reading of the Preamble which was joined in online by all the participants from their respective locations.



Constitution Day Celebration

Activities of NCC Wing

- The SLIET NCC has also observed the Communal Harmony Week from 19-25 November, 2020 and flag day on 25th November 2020 under the supervision of


Faculty Advisor Lt Vinod Kumar Meena. During these days, SLIET NCC section has collected voluntary donation of Rs 2080/- (Two thousand eighty only) by distributing of flag stickers/posters.

- The SLIET NCC has also observed the Armed Forces Flag Day on 7th December 2020 under the supervision of Faculty Advisor Lt Vinod Kumar Meena. On this day, SLIET NCC cadets have collected voluntary donation of Rs 1600/- (One thousand six hundred only) by distributing of flag stickers/posters.



TRAINING AND PLACEMENT CELL ACTIVITIES

01	10 UG students (Mr. Bhaskar, Mr. Yashraj, Mr. Rishav Rana, Mr. Kanha. Ms. Ashirwad, Mr. Aryan, Mr. Shantanu, Mr. Piyush, Ms. Kiranpreet, Mr. Yasho) got final selection by Capgemini Technology Services India Limited in the month of October 2020
02	02 UG students (Mr. Dilkhush and Ms. Amritanjali) were selected by Infosys Limited (Through Hack With Infy 2020 for Rs. 5:00 LPA)
03	11 UG students (GCS-06, GEC-02, GEE-02, GME-01) were selected by Infosys Limited in the month of November-December 2020

04	15 UG students (GCS-08, GEC-04, GEE-02, GME-01) were selected by Tata Consultancy Services in the month of November-December 2020
05	01 student (Mr. Sumit Kumar) got selected in Microsoft Global Service Center (India) Pvt. Ltd. through Punjab Ghar Ghar Rozgar and Karobar Mission (PGRKAM) in association with Department of Training and Placement, SLIET and District Administration Sangrur.
06	<p>The Department of Training and Placement organized a Leadership Session by inviting Mr. Jatinder Chawla, Head (R&D) Mahindra and Mahindra Limited, Swaraj Division for our UG final & pre-final year students on 27th November 2020 (Through Online). Hon'ble Director SLIET have given thanks to Mahindra and Mahindra, Swaraj Division for selecting our 08 students (GME – 05, GCT- 02, GEC-01) under "MeraSwaraj Education Support Program" (first time in SLIET for stipend followed by PPO) on basis of proposal submitted by Department of T& P. On this occasion Prof. (Dr.) Shailendra Jain, Director, SLIET, Prof. (Dr.) Ravi Kant Mishra, Head (T&P), Mr. Varun Kansal, Manager (HR) & Ms. Shruti Chhabra, were present in this Leadership Session.</p> <div data-bbox="315 659 1430 1388">  </div>
07	Mr Shubhra Shekhar, Final year BE (Food Technology), has ranked first with Elite and received Silver Medal in online 12 weeks NPTEL Certification course on "Fundamentals of Food Process Engineering" conducted by Indian Institute of Technology, Kharagpur during September to December 2020.

Team 'ANSHUMAT'

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

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

Lead Editor : Dr. Pratibha Tyagi, Associate Prof. (EIE)

Editors : Dr. Vinod Kumar Verma, Asst. Prof. (CSE); 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. Mishra, Head (T&P), Dr. Om Chand, Sr. Technician (FET),

Dr. Navdeep Jindal, AD (Academics) / Mr. Sarabjeet Singh, SSS