



Anshumat

“कामयाबी”

“कामयाबी” के सफर में “धूप” का बड़ा महत्त्व होता है
क्योंकि “छांव” मिलते ही “कदम” रुकने लगते हैं।

सीखते रहो!

जब तक जीवन है, तब तक सीखते रहो,
क्योंकि अनुभव ही सर्वश्रेष्ठ शिक्षक है।

SOCIAL FEST-2019

ON THEME “ENGAGE, MOTIVATE & EMPOWERMENT OF YOUTH”

Sant Longowal Institute of Engineering and Technology, Longowal organized 1st edition of the National Level Social Festival (Social Fest-2019) in SLIET Deemed to be University campus Longowal during 11th to 13th April 2019 based on the theme “Engage, Motivate & Empowerment of Youth” under the chairmanship of Dr. Arvind Jayant, Associate Professor of Mechanical Engineering Department. The festival inculcated various impactful events, exhibitions, lectures, workshops and competitions to instill a sense of responsibility in the youth towards the society.



INDEX	News	Page	News	Page
	SOCIAL FEST-2019	1	Department of Mechanical Engineering	6
In House Industrial Training by Truneek	2	IEI-SLIET Diploma Chapter	6	
Self Defence Workshop	3	Department of Electronics & Communication Engg.	7	
TECHFEST 2019	3	Department of Chemical Engineering	7	
Communication & Personality Deve. Cell Activities	3	Staff & Faculty Achievements	7	
Department of T & P Activities	4	Students Achievements	8	
Department of Computer Science & Engg.	6	Eco Green Vehicle Challenge	8	
Department of Food Engg. & Technology	6			

The Social Fest-2019 was inaugurated by Eminent Social Activist **Padma Bhushan Dr. Inderjit Kaur** President, All India Pingalwara Charitable Society, Amritsar with **Director SLIET Prof. S. K. Jain, Er. Arvind Ghai, DGM, Federal Mugul India Corporation Limited, Patiala, Dr. Sidharth, General Manager (GM), Sangrur Dist. Coop. Milk Producers Union Limited** on 11th April 2019.

The Social Festival received overwhelming response from all over India and delegates from Corporate houses and NGOs/ Social Clubs of Universities/ Technical Institutions, villages society of near-by villages and other govt organizations participated in three days social festival in the SLIET campus.

Festival Objectives:

The objective of the fest was to develop an awareness of various governmental welfare schemes, the upliftment of the society by identifying and working on problems of the society. Three days fest developed social responsibility among participants and encouraged them to take up the social work assignment for the betterment of society.



Festival Events:

The focus of the fest was to discuss various social activities running in various colleges/ universities. Following are a few important events which were successfully organized during the three days social fest includes:

- Social Talk
- Social Work Expo
- Rural Development Workshop
- Parliamentary Session
- Clothes Pyramid
- Quizzes
- SLIET Sandhya
- All India Youth Seminar on Social Responsibilities
- Government Schemes Awareness
- Workshop on effective use of Social Media
- Medical Camp
- Case Studies
- Street Play
- Cultural cum Social Night
- Books Tower
- Online Lectures
- Kids Shows

IN HOUSE INDUSTRIAL TRAINING PROGRAM BY TRUNEEK

First time in the history of SLIET under-able guidance of Director SLIET Prof. Shailendra Jain, Dean (Academics) Prof. A.S. Arora, the department of training and placement has conducted the face to face interview to select the candidate for in-house industrial training. Interview process conducted by TruneeK Experts (learning partnership of Panasonic India). On this occasion 280 B.Tech. pre-final year students interviewed by experts and finally 50 students got selection for the in-house industrial training. Accordingly, during 23-05-2019 to 05-07-2019, these students were engaged on training and about 7 to 9 subject experts have engaged them for training of the subjects like Artificial Intelligence (A.I.), Machine Learning (M.L.), Python Hyperlink, Internet of Things (I.O.T.) & many more area of interest. On the last day of this event the department of T&P organized the Valedictory Ceremony in which, Mr. Amit Sharma, CEO of TruneeK, Prof. Shailendra Jain, Director SLIET, Prof. A.S. Arora, Dean (Academics), Prof. R.K. Mishra, Head (T&P), Dr. Manoj Sachan, HOD (CSE), Mrs. Anupma Marwaha, HOD (ECE), Dr. Sukhcharan Singh, Training and Placement Officer and Head of Departments attended the ceremony.

The Director of the institute emphasized the need of such training & appreciated the efforts of all concerned to organize this event. Dean (Academics) has desired that in future such events may be

continued, so that we can make our students much skilled. At the end, Head (T&P) conveyed the vote of thanks to all concerned with special thanks to Mr. Pankaj Rana, Head-Mobility Division (India, South Asia, Middle East & Africa), Panasonic India Pvt. Ltd. and Dr. M.S. Manna, ASP (EIE) for helping the department of training and placement to organize this programme and requested the help from all SLIETians so that training and placement department may organize more such events in future too.



Self Defence Workshop

As a confidence building measure and to integrate the young students and girls in society to fight against atrocities with unity, SLIET has organised Workshop on self Defence for Girls and Boys under Student Induction program on 17th July 2019. The primary goal of the Workshop was to expose students to the basics of self-defence and to help students to develop an interest in self-defence and/or martial arts. It has been learned that Self-defence classes have many benefits apart from just safety. They sharpen your reflexes, keep you fit, reduce stress, raise self-awareness, and also teach you discipline – skills that can help every student to lead a happy and safe life. The workshop was organised in collaboration with Dr. Sandeep Kumar Garg, IPS, SSP Sangrur. The training was imparted for five police official. They taught the students various techniques of self defence by hands on experience. Almost one hundred and seventy five students participated with full vigour and zeal and took advantage of this training.



TECHFEST-2019

Sant Longowal Institute of Engineering and Technology organized its annual technical festival “techFEST’19” powered by Oppo on 15th and 16th of March 2019 with the theme “Innovation in cycle design”. This year, techFEST’19 team has introduced its own virtual currency “techBUX” for the fest which served as a digital platform for transactions. The “techBUX”, a virtual currency was distributed among participants for participating and winners of different technical competition held in techFEST’19. These techBUX were used in the auction of goodies given by different sponsors of techFEST’19 such as Zebronics, Torreto, Oppo etc. Director SLIET was gracious enough to hand over the goodies to the winners of the auction. He appreciated the efforts of participants and winners who had earned the techBUX by participating in various technical events and eventually winning the goodies. The mega goodies in the auction was a “Bicycle” symbolizing the theme of techFEST’19 “Innovation in cycle design”. The idea of virtual currency techBUX was praised as it was in tune with Digital India, scheme of Govt of India.



Communication and Personality Development cell Activities

Communication skills and Personality Development Cell, SLIET organized following events for Degree Students

Advanced Learners' Program: A workshop to enhance communication skills and personality development on Jan 25-26, 2019

Dr. R.S. Walia, Expert in ESP (English For Specific Purposes), ELT (English Language Teaching) and Professional and Business Communication Skills Training was the resource person for the Workshop. Having experience of interviewing for IELTS as well, he shared the immensely useful and



important information with the students. Dr. Walia gave practical training to students about Resume Writing and Group Discussions. On the second day, the session was conducted by Dr. Jap Preet Kaur Bhangu. Dr. Bhangu talked about the problems faced by students during interviews. More than seventy-five students of Pre final and final year of degree, attended the workshop.

Two-day Workshop on Mental Ability and Mathematical Aptitude for Engineers on Feb. 27-28, 2019

A Two-day workshop was organized on Feb.27-28, 2019 on mental ability and mathematical aptitude for engineers. The experts from GATEFORUM, Chandigarh were invited for the event. In the first session the students were made aware of how to prepare for mental ability and aptitude test for GATE examination. Followed by 45 minutes mock test. On the second day, session was conducted by Mr. Kuldeep Singh. He explained, how to prepare for the Mental ability section and subject portion of GATE exam. Dr. Gulshan Jawa explained about how to deal with the pressure regarding preparation and time management skills.

Communication Skills – Beginners Program- A Workshop

Two days Workshop on Communication skills – Beginners program was organized in Feb 20-21, 2019 for ICD students. Ms. Ritu Pathak was the Resource person for the first day of the event. Ms. Pathak gave practical tips to the students for speaking in English by making them participate in mock sessions. She gave vocabulary exercises and taught right usage of words in conversation. She used the activity method and made every student participate. Dr. Himanshu Rani gave her tips about how to introduce themselves.

On the second day, the session was conducted by Dr. Manpreet Kaur. She explained the importance of formal conversation. She also organized JAM sessions and made the students developed stories on given picture. Around 100 ICD students participated in the workshop.

Communication Hub was established for the ICD students with the mission, "Let's learn to talk". Under this, following activities were organized

- Learning from Vernacular to English conversation
- Participation in Just A Minute sessions
- Speaking on given topics of Interest
- Sharing information about self and world around

These activities were planned as per the study schedule and availability of students. Activities were carried out fortnightly on Sunday by the students. Approximately 50-60 students participated in every activity.

DEPARTMENT ACHIEVEMENTS / ACTIVITIES

Department of Training and Placement, Activities

The department of Training and Placement is working hard to attract the corporates for campus placement activities for SLIET students. As informed by Prof. (Dr.) Ravi Kant Mishra, Head (T&P), in this year 2018-2019 about 50 different companies including MNC's have conducted the placement drive successfully in the department of Training and Placement under which 1st time following industries have also visited our campus:

- Bikano Food Pvt. Ltd.
- Torrent Group
- Welspun Corp. Limited
- Jindal Steel & Power Limited
- Hpcl Mittal Refinery, Bathinda
- Bunge India Private Ltd.
- Kangaro, Ludhiana
- Sofster, Mohali
- Cogniter Technologies, Mohali
- Satyam Auto Components Ltd., Ludhiana
- Catalystone Info Solutions Pvt. Ltd.



Recruiters of Bikano conducted placement drive In SLIET

1. In addition to this, two times the department of Training and Placement had conducted the Job Fair successfully. As a result, about 200 of our UG students got placed in various industries and working at PAN India.
2. The department of Training and Placement has also conducted the following activities to strengthen the employability skill set of our students:

One Day Workshop on “Future Learning in the Era of Industry 4.0”: The department of training and placement acknowledged the current need of industries and accordingly to make the awareness on March 29th 2019, department has successfully conducted one day workshop on “Future Learning in the Era of Industry 4.0” in this workshop Mr. Rajesh Sharma, Chief Operating Officer (COO), Quark City, Mohali was Guest of the Honor and Prof. Rajesh Kumar HOD (ME), Dr. Major Singh, HOD (CSE), Prof. J.S. Dhillon, Director In-Charge, Prof. R.K. Mishra, HOD (T&P) have also addressed the students regarding importance of Artificial Intelligence (A.I.), Machine Learning (M.L.), Python Hyperlink, Internet of Things (I.O.T.), Data Science & Big data. In this workshop about 150 UG students had participated.



- **Mock Interview:** on 01st May 2019 department of T&P has successfully conducted the Mock Interviews for SLIET UG final year students. Mock interviews conducted by professional expert Dr. Manoj Kumar, Chandigarh. On this occasion about 180 UG students got motivated and benefited.
- **Career Fair-II:** Department of Training and Placement, SLIET has successfully conducted second Job Fair 2019 during 24th-25th May 2019 for SLIET students. In this Career Fair following companies have visited the SLIET campus and recruited our students:

- | | |
|---------------------------------------|---|
| ➤ Eastman Cast & Forge Ltd., Ludhiana | ➤ Satyam Auto Components Ltd., Ludhiana |
| ➤ New Swan Group, Ludhiana | ➤ Sofster Mohali |
| ➤ Kangaro Ludhiana | ➤ Standard Tractors |



- **UDAAN (Campus to Corporate):** As per the tradition of the department since 2016 the department of Training and Placement, SLIET has conducted successfully the annual event “UDAAN” (Campus to Corporate) & distributed the offer of appointment to our class-2019 students on 03rd May 2019.



Department of Computer Science and Engineering

Expert Talk on “Internet of Things” by Prof. Raj Kumar Buyya

The Department of Computer Science and Engineering has organized an Expert Talk of Dr. Raj Kumar Buyya, Distinguish Professor and Director, Cloud Computing and Distributed Systems (CLOUDS) Lab. University of Melbourne, Australia on 26/04/2019.



24 Faculty/ Staff members from different departments and 87 students (RS/PG/UG) have attended the expert talk on the Topic 'Internet of Things', Prof. Buyya conveyed Internet of things (IoT) as an extension of Internet connectivity into physical devices and everyday objects. Embedded with electronics, Internet connectivity, and other forms of hardware (such as sensors), these devices can communicate and interact with others over the Internet, and they can be remotely monitored and controlled. Prof. Buyya suggested the research and future perspectives of Internet of Things to the faculty and staff. Prof. Buyya highlighted the research challenges namely: computation, storage on clouds and energy efficiency for the internet of things. In addition, Prof.

Buyya interacted with an Exclusive meeting with the Research Scholars of the CSE department.

Department of Food Engineering & Technology

ONE DAY WORKSHOP ON WORLD FOOD DAY

One day workshop was jointly organized by Department of Food Engg. & Technology and Punjab Pollution Control Board Patiala on 16/10/2018 on the occasion of World Food Day



WORKSHOP ON “FSSAI FOSTAC TRAINING AND CERTIFICATION



Workshop on “FSSAI Fostac Training and Certification” was jointly organized by Department of Food Engineering & Technology and Food and Drug Administration Department, Sangrur, Punjab on dated 15/4/2019 with an aim on providing awareness regarding food safety and other procedural norms for obtaining FSSAI license to the students & other stakeholders such as mess contractors, shopkeepers etc.

FAREWELL PARTY TO BE AND M. TECH STUDENTS OF FOOD ENGINEERING AND TECHNOLOGY

Society of Food Technocrats (SOFT) organized farewell to final year of BE and M Tech batch on 06.05.2019. Dr. S. K. Jain, Director was the Chief Guest of the function. He conveyed the pass out students that you are the flag bearer of the institute and work hard to get recognition in their future endeavour. Dr. A. S. Arora also addressed the students and given Best Wishes. Dr. P. S. Panesar, HOD, FET also addressed the students. Dr. Pradyuman Kumar, Faculty Coordinator of SOFT has organized the event. Faculty and staff members of the department also gave best wishes to the pass out students.

Department of Mechanical Engineering



One Day Training Program on Digital Micro Vickers Hardness Tester was conducted by Mr. Manoj Kumar, Engineer from Radical Scientific Equipment Pvt. Ltd, Ambala Cantt in the Material Testing Lab (SOM Lab) on dated 28.06. 2019 for department faculty/staff / UG / PG / PhD research scholar. The program was organized by Rakesh Kumar, Associate Professor (ME).

The IEI- SLIET STUDENTS' CHAPTER (Diploma)

Event Report from (01 April 2019- 30 June 2019)

The Institution of Engineers (India) - SLIET (Diploma Chapter) has organized the events from 01 April 2019-30 June 2019, which are mentioned below:

S.No.	Name of Events Organized	Dated
1.	Quiz & Craft	15.04.2019
2.	Annual Function	02-05-2019
3.	IEI Scholarship Awarded	02-05-2019

The Quiz & Craft event was organized on 15.04.2019 to develop their creative abilities and promote artistic renewal among students.

The Annual Function was organized on 02-05-2019 to recognize abilities and encourage students for more participation among students. Dr. S. K. Jain, Director SLIET, motivated the students and distributed the prize certificate to the winner students.

Dr. A. S. Arora, Dean (Academic) and Rakesh Kumar, Faculty Advisor, awarded Scholarship of amounting Rs. 17000/- (Seventeen thousand only) to students, which was funded by IEI, Kolkata for two economic weaker students.



Department of Electronics and Communication Engineering

Expert Lectures delivered by faculty Members of ECE Department in NIT Uttarakhand (Jaipur Campus) Under Twinning Arrangements

Faculty members of Electronics and Communication Engg. Department, SLIET Longowal, delivered expert lectures in NIT Uttarakhand (Jaipur Campus), under twinning arrangements to cover the syllabus of their UG students in the month of April, 2019. Er. Vipul Singhal, Assistant Professor (ECE), delivered expert lectures on the topic 'Waveguides' whereas Dr. Dilip Kumar, Associate Professor (ECE) and Er. Sarbjeet Singh, Assistant Professor (ECE), delivered expert lectures on the topics 'Intel 8051 microcontroller' and 'Feedback Amplifiers' respectively.

Department of Chemical Engineering

Workshop on "MATLAB and Simulink for Process Engineers"

A workshop on MATLAB and Simulink for process engineers (25- 26 April 2019) organized by Chemical engineering department of Sant Longowal Institute of Engineering and Technology and sponsored by TEQIP-III. The coordinators of the conference were Dr. Nikhil Prakash, AP & Dr. Amit Rai, AP of the Chemical Engg Deptt.

A total no. of 152 participants from different departments of SLIET attended the workshop. Dr. Nikhil Prakash & Dr. Amit Rai from SLIET Longowal and Dr. Pratik N. Sheth & Dr. Amit Jain from BITS Pilani (Rajasthan) were the expert resource persons of the workshop.

Prof. J. S. Dillon, Director in-charge SLIET was the chief guest and Prof. A. S. Arora, Dean (Academics), was the Guest of honour of the occasion. Prof. P. K. Singh, Dean (R&C), Dr. Avinash Thakur, HOD (Chemical Engineering, faculty members and staff of Chemical Engineering Department were also present during the valedictory function of the workshop.

Staff & Faculty Achievements

Dr. Arvind Jayant, Associate Professor (Mech. Engg.) has been selected as Visiting Professor at School of Engineering & Technology, Asian Institute of Technology (AIT) Bangkok under the scheme of MHRD, Govt. of India- Short Term Indian Faculty Secondment to Asian Institute of Technology, Bangkok (Ref. No. F.No. 19-1/2019-TS.VII dated 27.06.2019). He will teach subject AT72.09 - Inventory & Logistics Management during January 2020 semester to M.Tech. students of Department of Industrial System Engineering of AIT Bangkok.



Students Achievements

SLIET team 'Junkyard Warriors' announced 2nd Runner-up Winner at Aravalli Terrain Vehicle Championship (ATVC) 2019 in Kota.

Infileague Motorsports in association with AICTE organized the Aravalli Terrain Vehicle Championship (ATVC) 2019 at Rajasthan Technical University (RTU), Kota.

The Sant Longowal Institute of Engg. & Technology (SLIET), Longowal team "Junkyard Warriors" (24 team members) under the guidance of Dr. Shankar Singh, Professor (Mechanical) as Faculty Advisor (FA) conceived, designed and fabricated a four-wheeled single-seater all-terrain vehicle (ATV), and participated in Aravalli Terrain Vehicle Championship (ATVC) 2019 at Rajasthan Technical University, Kota. The Team Captain was Ashish Tiwari and Vice-Captain & Driver Arshvir Singh Sidhu.

SLIET ATV grabbed the title of Endurance Winner and bagged overall 2nd position along with cash prizes. The Driver Arshvir Singh Sidhu was awarded with Best Driver Award for his exemplary driving skills during the event (ATVC).

The efforts of the team are well appreciated and complemented by Prof. Shailendra Jain, Director SLIET.



Eco Green Vehicle Challenge EGVC 2019



The 4th season of Eco Green Vehicle Challenge (EGVC) 2019, a student competition by Society of Automotive Engineers Western India section (SAE-WIS) was recently hosted at LD college of Engineering, Ahmadabad.

The Sant Longowal Institute of Engg. & Technology (SLIET), Longowal team "Green Rangers 2019" under the guidance of Dr Shankar Singh, Professor (Mechanical) as Faculty Advisor, conceptualized a green and innovative project, which required designing and later fabricating a three-wheeled hybrid human powered vehicle.

The SLIET team outperformed the other teams including IITs and were adjudged the Overall Winner of EGVC 2019 and got a cash award also. The team also won the category for the Endurance Winner; Maneuverability Award and Best Design Runner up Award, along with cash prize. The Captain and Vice-Captain of the team "Green Rangers 2019" were Abhijeet Singh and Umair Jameel, respectively.

Team 'ANSHUMAT'

Patron : Dr. Shailendra Jain, Director; Advisor : Dr. Ajat Shatru Arora, Dean (Academics).

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

Editors: Dr. Pratibha Tyagi, Associate Prof. (EIE), Dr. Vinod Kumar Verma, Asstt. Prof. (CSE); Dr. Vinod Meena, Asstt. Prof. (CE); Mr. Vipul Singhal, Asstt. Prof. (ECE); Dr. R. K. Guha, Prof. (Maths); Dr. R.K. Mishra, Head (T&P); Mr. Madan Mohan Yadav, L.A. (ME); Dr. Om Chand, Sr. Tech. (FET); Dr. Navdeep Jindal, DR (Academics) / Mr. Sarabjit Singh, SSS