



# **techFEST'23**

SLIET Longowal's Annual Techno- Management Fest

**24<sup>th</sup>-25<sup>th</sup> March 2023**

**Theme 'INNOVATION IN AGRICULTURE'**



# SLIET`s Annual Technical Event techFEST`23 (24<sup>th</sup> - 25<sup>th</sup> March 2023)

## Theme `INNOVATION IN AGRICULTURE`

- The theme for the techFEST`23 was `INNOVATION IN AGRICULTURE`. This theme was chosen amidst the global challenges facing the world which have affected the sustainability of food and agricultural systems. Emerging technologies from drones to digitalization have the potential to transform agricultural productivity, reduce environmental influence and increase farmers` incomes.*
- The inauguration was done on 24<sup>th</sup> March `23 with the traditional `Deep Prajwalan` followed by `Sansthan Kulgeet`, in the auspicious presence of Hon`ble Chief Guest, Prof. Sehijpal Singh, Principal of Guru Nanak Dev College of Engineering, Ludhiana. Esteemed Director of SLIET, Longowal, Prof. Shailendra Jain, Dean Academics, Prof. Jaspreet Singh Dhillon, Dean Student Welfare, Prof. Rajesh Kumar.*

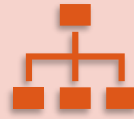


Chairman of techFEST`23  
Prof. Shankar Singh (Mechanical)  
Vice Chairman`s Dr Charanjiv  
Gupta (EIE) & Dr Sunil Kumar  
(Mechanical).

# Highlights of techFEST ` 23



*Expert Talks (online) by eminent persons on the theme of techFEST'23, as pre-fest activities were conducted on 20th-21st March 2023.*



*There were total eight domains namely **Mechanica, Robozar, Chemfor, Electrica, Genesis, Plexus, Kermis, Karyarachna**, systematized by respective Convener`s.*



*The students came up with innovative solutions to the challenges being faced by the agriculture sector. It inspired the participants to innovate and integrate their ideas into practical applications.*



*The students participated in the aforesaid eight domains, and they were awarded prizes ( 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup>) along with cash awards, after review of their projects & ideas by Judges & Conveners.*

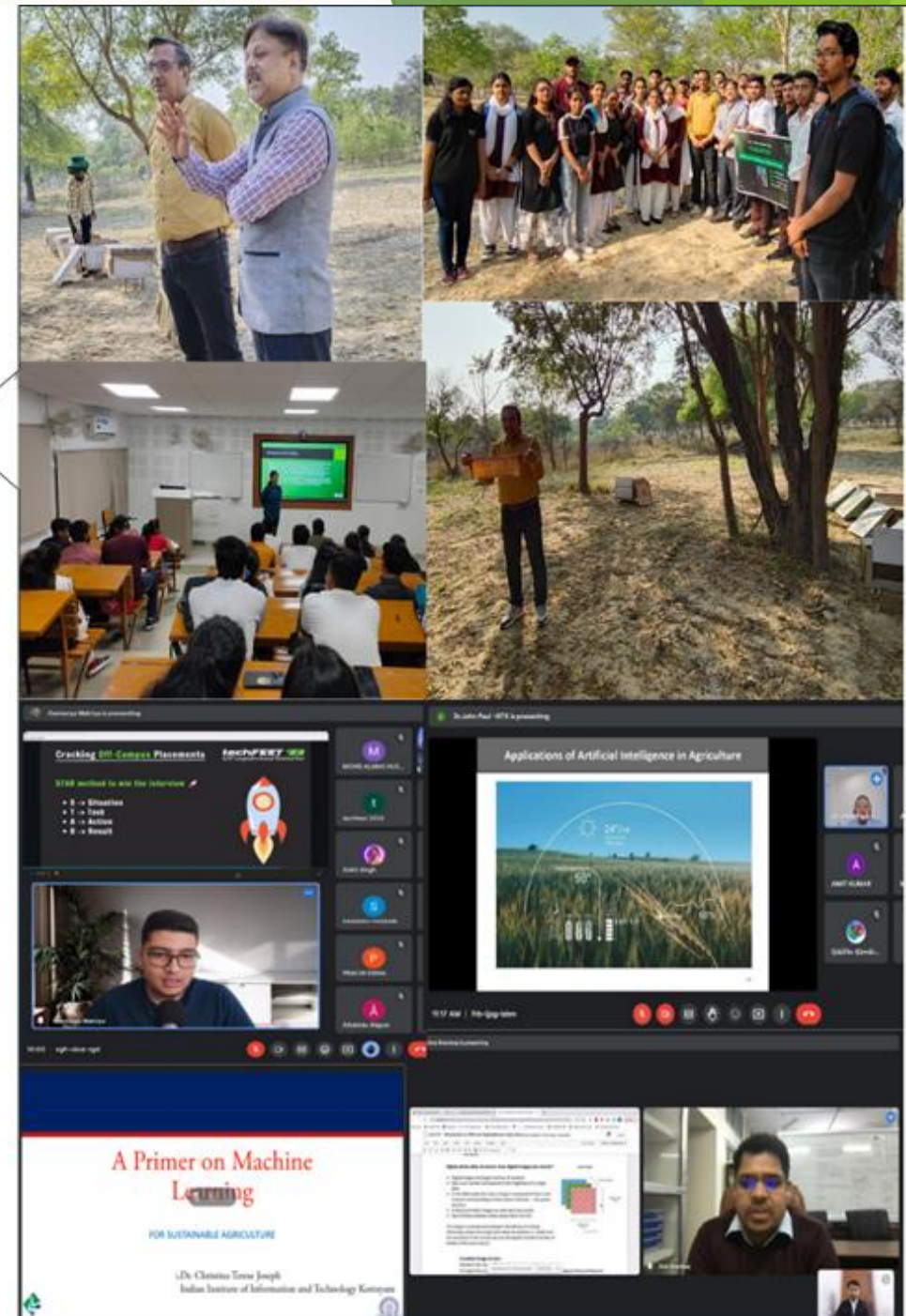


*A LASER SHOW by Srisha Creations, Bengaluru was organized for all the Faculty, Staff their families, and students of the SLIET on 24th/25th March 2023.*



# Pre-techFEST'23 events

S.No	EVENT	Date	Participants
1.	Bee-keeping & honey processing	18/03/23	25/197 selected
2.	Cracking Off-Campus International Placements	19/03/23	70
3.	Application of AI&ML in agriculture	20/03/23	80
4.	Session on Artificial Intelligence and Machine learning	20/03/23	60
5.	Millets the future food	21/03/23	40
6.	Expert session on Convolution neural network(CNN)	21/03/23	30
7.	An expert talk on 3D Printing and its Application in Agriculture Sector	21/03/23	100
8.	An expert talk on Industrial 4.0	21/03/23	90
9.	Placement archive session	22/03/23	50
10.	An expert talk on Role of Welding Technology in improving Performance Agricultural Implementation.	22/03/23	90
11.	An expert talk on Welding Processes and Agro-Industries.	22/03/23	90
12.	Lab Demonstration: WAAM	22/03/23	120
13.	Lab Demonstration: CNC Engraving	22/03/23	120
14.	Lab Demonstration: Welding Simulator	22/03/23	120



# techFEST'23- Eight domains & Events

#	Domain	Event	Participants	No. of awards
1	<b>Mechanica</b>	Fabrique	112	3
2		Hydraload	41	3
3		Trussload	72	3
4		Designare	30	3
5	<b>Robozar</b>	Jarvis Cup	28	3
6		Margdarshak	35	3
7		Reconnaissance	32	3
8	<b>Chemfor</b>	Chem-O-Rover	26	3
9		Chem-fo-mystery	60	3
10		Innovative product development	30	3
11		Chem-fo-thon	35	3
12		Techno-storm	25	4
13	<b>Kermis</b>	COD-Mobile	78	3
14		CHECKMATE	116	5





## techFEST'23- Eight domains & Events...**CONT.**

S.No.	Domain	Event	Participants	No. of awards
15	<b>Karyarachna</b>	Hackathon	112	3
16		Kritrim	54	3
17		Code2tech	40	3
18	<b>Plexus</b>	Pixel Wizard	97	3
19		Data Dynamics	50	3
20		Code Sprint	99	3
21		Tech-n-IQ	115	3
22	<b>Electrica</b>	AGRO-DHARA	65	6
23		Arduino Imagino	34	3
24		Electromate	26	3
25		Navriti	38	3
26	<b>Genesis</b>	Adhyayan	72	3
27		Shuruaat	68	3
28		Udyam	238	3





# Glimpses of techFEST`23





# Glimpses of techFEST`23





# LASER SHOW by Srisha Creations, Bengaluru organized for all the Students; Faculty, Staff & their families and of SLIET.





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<https://www.techfestslit.org/>



# Takeaways

- It's been an incredible two days of learning experience for students at the **techFest`23**.
- In this digital era, education is not just lecture and blackboard sessions within the four walls of a classroom. The **influence of technology and smart software are taking education to a new level**.
- The presentations, speakers, conversations and project activities were engaging and extremely informative.
- Traditional perceptions regarding the 'Agriculture' has changed.
- Technological advancements in the agriculture sector are focusing to meet the growing demand for **farm automation, digitalization, and sustainability**.
- **'Smart Farming'** is an upcoming concept that will deploy technologies like the Internet of Things (IoT), computer vision, and artificial intelligence (AI) for farming. Robots and drones are accelerating farm automation by replacing manual farm operations such as picking fruits, killing weeds, or water spraying.

**Our student`s have the biggest opportunity of their careers in the 'Agriculture Sector' right now, to reshape, reframe and reset the future of our nation.**