



Sponsored by QIP (Quality Improvement Program)
AICTE, Govt. of India



ONE WEEK
ONLINE SHORT TERM COURSE (e-STC)

On

Advanced Manufacturing Technology & Applications (AMTA 2020)

(23 -28 November 2020)

Chairman

Prof. Rajesh Kumar

Coordinators

Dr. Shankar Singh

Dr. Indraj Singh

Organized by

Department of Mechanical Engineering

Sant Longowal Institute of Engineering & Technology

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

Longowal -148106, Sangrur (Punjab)

Registration Link

<https://forms.gle/vaAicgenaq4D7cuo9>



Prof. Shailendra Jain
Director, SLIET, Longowal
Chief Patron



Prof. A S Arora
Dean (Academics)
Patron



Prof. Rajesh Kumar
HOD (Mechanical)
Chairman



Prof. Shankar Singh
Coordinator



Dr. Indraj Singh
Coordinator

Last Date for registration is 15 November 2020

ABOUT THE INSTITUTE

Sant Longowal Institute of Engineering and Technology (SLIET) is a centrally funded Deemed to be university set up by Ministry of Education (MoE), Govt. of India with an aim to achieve technological excellence through innovation. It caters to the technical manpower requirement at various levels by adopting a new concept of multi-entry, multi-exit modular pattern based technical education with emphasis on skill development and practical training. It offers Integrated Certificate Diploma (ICD), Diploma, Degree, PG (M. Tech, M.Sc., M.B.A) and Ph.D. programs in various disciplines of Engineering, Science and Technology.

ABOUT THE DEPARTMENT

Department of Mechanical Engineering is the largest department of the Institute. The department offers number of programs at different levels ICD, Diploma, Degree and PG programs. A number of Ph.D. scholars are pursuing Ph. D. in diversified areas.

In addition to regular teaching, the faculty is engaged in active research work in their respective fields of interest covering different areas such as Non-conventional Machining, Hybrid Machining, Composite materials, Bioenergy & Alternative fuels, Automotive Engg., Precision metrology, Optimization, Modeling and Simulation, CAD, FEA, Welding Technology, etc. and have undertaken many sponsored projects. The department is regularly organizing conferences/symposia and MoE/AICTE/ISTE sponsored training programs.

LOCATION OF THE INSTITUTE

The Institute is connected by road with Sangrur (20 km), Patiala (80 km), Sunam (17 km), Ludhiana (100 km), Chandigarh/Ambala (150 km), Delhi (320 km). Dhuri, Sangrur and Ambala, are well connected to important places in India by rail. The nearest airport is Chandigarh.

ELIGIBILITY OF CANDIDATES

The e-STC is open to Faculty and Research scholars of AICTE recognized degree level Engineering Colleges/Institutions and Technical Universities/Deemed to be University. Industry personnel and Researchers from Industries and R&D institutions can also attend this training programme .

ABOUT SHORT TERM COURSE

Manufacturing technology is an ever-evolving field, constantly mixing in new iterations and innovations to create exciting new opportunities for today's manufacturers and open the door for progress. Manufacturing industries are facing challenges in machining of advanced materials requiring high precision, dimensional accuracy, complex geometries, and better surface finish, leading to significant transformation of the manufacturing sector. The demand of micro components with micro features are also increasing day by day in the industries.

To meet these industrial challenges, especially in the era of "self reliant India", the engineering students need to know the various advanced manufacturing technology and their specific applications from the researchers themselves. The "Make in India" campaign by Government of India is to project the country as a global manufacturing hub.

The objective of the proposed online short term course is to share with the participants the cutting edge research and developments, carried out/observed, by the speakers in advanced manufacturing domain, for products having immediate industrial applications, for "Atma Nirbhar Bharat". The speakers are distinguished research faculties from Foreign Universities, IIT's, NIT's, CFTI's & other well reputed institutions.

COURSE CONTENT

- 3D Printing for Biomedical Applications
- Laser Micro Machining for Advanced Manufacturing Applications
- Wire Electro Chemical Machining
- Electrochemical Spark Micro Machining
- Smart Manufacturing
- Wire Electro Discharge machining of Shape Memory Alloys
- Nano Finishing of Prosthetic Implants Using Magnetorheological Finishing Process
- Orbital Electro Discharge Machining Process
- Advanced Manufacturing In Biomedical Applications
- Hot Machining of High Strength Material
- 5 Axis Machining
- Use of DOE in Product and Process Optimization of AMT,
- Miniature Gear Manufacturing
- Polymer composites for sustainable automotive industry, and other trending topics.

ORGANIZING COMMITTEE

CHIEF PATRON

Prof. (Dr.) Shailendra Jain
Director

PATRON

Prof. (Dr.) Ajat Shatru Arora
Dean (Academics)

CHAIRMAN

Dr. Rajesh Kumar
Professor & HOD

COORDINATORS

Dr. Shankar Singh, Professor
Dr. Indraj Singh, Associate Professor

REGISTRATION

Participants are requested to register online using following link

<https://forms.gle/vaAicgenaq4D7cuo9>

Duly signed scanned registration form shall also be send by mail to the Coordinator. Confirmation of eligible candidates will be on first come first serve basis

COURSE FEE/REGISTRATION FEE

- ♦ Registration Fee for Faculty: NIL
- ♦ Registration Fee for Research Scholar: NIL
- ♦ Course & Registration Fee for Delegates from Industry: NIL

IMPORTANT DATES

Last date for receiving application form:

November 15th 2020

Intimation to selected participants:

November 17th 2020

**Participation stands cancelled if confirmation email is not received from participants by the specified date. Vacant seats will be offered to other eligible applicants. E- certificates will be given to the participants.*

ADDRESS FOR CORRESPONDENCE

COORDINATOR- eSTC (AMTA 2020)
DEPARTMENT OF MECHANICAL ENGINEERING
Sant Longowal Institute of Engineering and Technology
Longowal -148106, Sangrur (Punjab)
Mobile: +91-7814653808, +91-9417466741
E-mail: 2020.amta@gmail.com

One Week Online Short Term Course on (e-STC) on **Advanced Manufacturing Technology & Applications (AMTA 2020)** (23 -28 November 2020) organized by Department of Mechanical Engineering, SLIET, Longowal

Sponsored by QIP (Quality Improvement Program)
AICTE, Govt. of India

ONE WEEK ONLINE SHORT TERM COURSE (e-STC)
On
Advanced Manufacturing Technology & Applications
(AMTA 2020)
(23 -28 November 2020)

Chairman: Prof. Rajesh Kumar
Coordinators: Prof. Shankar Singh, Dr. Indraj Singh

Organized by:
Department of Mechanical Engineering
Sant Longowal Institute of Engineering & Technology
(Deemed to be University under Ministry of Education (MoE) India)
Longowal -148106, Sangrur (Punjab)

One week online short-term course (e-STC) on ‘Advanced Manufacturing Technology & Applications (AMTA 2020)’ was held in the Department of Mechanical Engineering, SLIET, Longowal from 23 -28 November 2020. The Co-Ordinator’s of e-STC AMTA 2020 were **Prof. Shankar Singh and Dr. Indraj Singh**. The Chairman AMTA 2020 was Prof Rajesh Kumar, HOD (Mechanical).

The Inaugural Function of one week online short-term course (e-STC) on ‘Advanced Manufacturing Technology & Applications (AMTA 2020)’ took place in the Department of Mechanical Engineering, SLIET, Longowal on 23rd Nov, 2020 by the *Chief Guest 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. The function was presided by Prof. Shailendra Jain, Director SLIET Longowal. Prof. A S Arora Dean (Academics) & Patron AMTA 2020 and Prof. Rajesh Kumar HoD (Mechanical)/ Chairman AMTA 2020 were also present in the Inaugural function. The function was also attended online by Deans and HoDs of the SLIET.

Manufacturing industries are facing challenges in machining of advanced materials requiring high precision, dimensional accuracy, complex geometries, and better surface finish, leading to significant transformation of the manufacturing sector. The demand of micro components with micro features are also increasing day by day in the industries. *To meet these industrial challenges, especially in the era of “self-reliant India”, the engineering students need to know the various advanced manufacturing technology and their specific applications from the researchers themselves.*

The objective of the online short- term course AMTA 2020 was to share with the participants the cutting-edge research and developments, carried out/observed, by the speakers in advanced manufacturing domain, for products having immediate industrial applications, for “Atma Nirbhar Bharat”. The speakers are distinguished research faculties from Foreign

Universities (Hungary, Northern Ireland and South Africa), IIT's, NIT's and other well reputed institutions.

The valedictory function of the AMTA 2020 took place on 28th Nov`2020. The Chief Guest of Valedictory was Prof. Shailendra Jain, Director SLIET Longowal & Chief patron AMTA 2020. The Guest of Honour was Prof. A S Arora Dean (Academics) & Patron AMTA 2020. **Seventeen speakers delivered expert talk in 6 days of e-STC** out of which **fourteen** eminent Speakers were from IITs, NITs, BITS-Pilani and NSTU-New Delhi and **three** International Speakers were from **Hungary [Savaria Institute of Technology], Northern Ireland (UK) [Ulster University] and Republic of South Africa (RSA) [University of Johannesburg]**. The eminent resource persons also interacted with the participants through Chat Box/Voice for intellectual discourse and exchange of ideas. The Feedback form and Quiz were circulated to each participant through E-mail/WhatsApp Group on daily basis.

A total of eligible **54 faculty members** from different Engineering Institutes/Colleges including five faculty of ME Deptt, SLIET, attended the online STC AMTA 2020. **Seven participants from Industry (belonging to Punjab, New Delhi, Gujarat, Maharashtra, Haryana, Karnataka, Kerala, Uttar Pradesh, Tamil Naidu)** participated in AMTA 2020. **Thirteen Research Scholars & Research Assistants** also participated in e-STC from different part of India.

Major thrust during the e-STC was laid upon Industry 4.0, Industry Internet of Things (IIoT), Laser-based Additive Manufacturing, Design for Additive Manufacturing, Smart Manufacturing, Applications of Advanced manufacturing in 3D printing for Bio-medical applications, Wire ECM, Laser Micro machining, and Machining of Miniature Gears etc. to achieve game-changing productivity gains in advanced manufacturing Technology and to make a **“Self-reliant India”**.



ਸਲਾਈਟ ਸੰਸਥਾ ਵਿਖੇ ਸ਼ਾਰਟ ਟਰਮ ਕੋਰਸ ਅਮਟਾ-2020 ਦਾ ਉਦਘਾਟਨ



ਆਯਾਦ ਸਿੱਖ
ਗੁਰਪ੍ਰੀਤ ਸਿੰਘ ਖਾਲਸਾ
 ਲੋਗੋਵਾਲ, 24 ਨਵੰਬਰ

ਸੰਤ ਲੋਗੋਵਾਲ ਇੰਸਟੀਚਿਊਟ ਆਫ ਇੰਜੀਨੀਅਰਿੰਗ ਐਂਡ ਟੈਕਨੋਲੋਜੀ (ਡੀਮਡ ਯੂਨੀਵਰਸਿਟੀ) ਸਲਾਈਟ ਲੋਗੋਵਾਲ ਵਿਖੇ ਮਕੈਨੀਕਲ ਵਿਭਾਗ ਵਲੋਂ ਐਡਵਾਂਸ ਮੈਨੂਫੈਕਚਰਿੰਗ ਟੈਕਨੋਲੋਜੀ ਐਂਡ ਐਪਲੀਕੇਸ਼ਨ (ਅੰਟਮਾ 2020) ਵਿਖੇ 'ਤੇ ਇਕ ਹਫ਼ਤੇ ਦਾ ਆਨ-ਲਾਈਨ ਸ਼ਾਰਟ ਟਰਮ ਕੋਰਸ ਆਰੰਭ ਹੋਇਆ। ਪ੍ਰੋਗਰਾਮ ਦੇ ਉਦਘਾਟਨੀ

ਸਮਾਗਮ ਦੀ ਪ੍ਰਧਾਨਗੀ ਸੰਸਥਾ ਦੇ ਡਾਇਰੈਕਟਰ ਡਾ ਸੋਲੋਚਰ ਜੈਨ ਵਲੋਂ ਕੀਤੀ ਗਈ ਅਤੇ ਇਸ ਸਮਾਗਮ ਵਿੱਚ ਮੁੱਖ ਮਹਿਮਾਨ ਵਜੋਂ ਪ੍ਰੋ. ਸ਼ਰਦ ਕੁਮਾਰ ਪਾਤਰਾ ਡਾਇਰੈਕਟਰ ਆਈ ਐਚ ਟੀ. ਵਾਰੰਦਰਾ ਨੇ ਅਤੇ ਵਿਸ਼ੇਸ਼ ਮਹਿਮਾਨ ਮੌਲਾਨਾ ਆਜ਼ਾਦ ਇੰਸਟੀਚਿਊਟ ਡੋਪਾਲ ਨੇ ਸ਼ਮੂਲੀਅਤ ਕੀਤੀ। ਡੀਨ ਆਕਾਦਮਿਕ ਪ੍ਰੋ. ਏ. ਐਸ. ਅਰੰਝਾ ਅਤੇ ਪੈਟਰਨ ਪ੍ਰੋ. ਰਾਜੇਸ਼ ਕੁਮਾਰ ਤੋਂ ਇਲਾਵਾ ਸਲਾਈਟ ਦੇ ਡੀਨਜ਼ ਅਤੇ ਵਿਭਾਗ ਮੁਖੀਆਂ ਨੇ ਇਸ ਸਮਾਗਮ ਵਿੱਚ ਹਿੱਸਾ

ਲਿਆ। ਸਮਾਗਮ ਨੂੰ ਸੰਬੰਧਨ ਕਰਦਿਆਂ ਮੁੱਖ ਮਹਿਮਾਨ ਪ੍ਰੋ. ਸ਼ਰਦ ਕੁਮਾਰ ਪਾਤਰਾ ਅਤੇ ਵਿਸ਼ੇਸ਼ ਮਹਿਮਾਨ ਪ੍ਰੋ. ਜੇ. ਐਲ. ਭਗੋਰੀਆ ਨੇ ਦੱਸਿਆ ਕਿ ਨਿਰਮਾਣ ਉਦਯੋਗ ਵਿੱਚ ਉੱਨਤ ਸਮਗਰੀ ਬਣਾਉਣ ਦੀ ਤਕਨੀਕ ਵਿੱਚ ਚੁਨੌਤੀਆਂ ਦਾ ਸਾਹਮਣਾ ਕਰਨਾ ਪੈ ਰਿਹਾ ਹੈ। ਸੂਖਮ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਵਾਲੇ ਮਾਈਕਰੋ ਕੰਪੋਨੈਂਟਸ ਦੀ ਮੰਗ ਵੀ ਉਦਯੋਗਾਂ ਵਿੱਚ ਦਿਨੋ ਦਿਨ ਵੱਧਦੀ ਜਾ ਰਹੀ ਹੈ। ਇਹਨਾਂ ਉਦਯੋਗਿਕ ਚੁਨੌਤੀਆਂ ਦਾ ਸਾਹਮਣਾ ਕਰਨ ਲਈ ਆਤਮ ਨਿਰਭਰ ਭਾਰਤ ਦੇ ਯੁੱਗ ਵਿੱਚ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਖੋਜ ਪੱਖ, ਉੱਨਤ ਮੈਨੂਫੈਕਚਰਿੰਗ ਤਕਨੀਕ ਨੂੰ ਅਪਨਾਉਣਾ ਪਵੇਗਾ। ਪ੍ਰੋ. ਸ਼ਰਦ ਸਿੰਘ ਅਤੇ ਪ੍ਰੋ. ਇੰਦਰਾਜ ਸਿੰਘ ਨੇ ਇਸ ਸਮਾਗਮ ਸੰਬੰਧੀ ਜਾਣਕਾਰੀ ਦਿੰਦਿਆਂ ਦੱਸਿਆ ਕਿ ਆਗਾਮੀ ਛੇ ਦਿਨਾਂ ਵਿੱਚ ਮਹਿਮਾਨਾਂ ਨੂੰ ਪ੍ਰਮੁੱਖ ਬੁਲਾਰਿਆਂ ਵਲੋਂ ਵਾਰਤਾਲਾਪ ਕੀਤੀ ਜਾਵੇਗੀ ਜੋ ਕਿ ਹਿੱਸਾ ਲੈਣ ਵਾਲੇ ਪ੍ਰਤੀਯੋਗੀਆਂ ਲਈ ਲਾਹੇਬੰਦ ਸਾਬਤ ਹੋਵੇਗੀ।



● ਸਲਾਈਟ ਲੋਗੋਵਾਲ ਵਲੋਂ ਕਰਵਾਏ ਆਨ-ਲਾਈਨ ਸ਼ਾਰਟ ਟਰਮ ਕੋਰਸ ਦੇ ਉਦਘਾਟਨੀ ਸਮਾਗਮ ਦੀ ਝਲਕ। ਤਸਵੀਰਾਂ : ਵਿਨੋਦ

ਸਲਾਈਟ ਵਿਖੇ ਸ਼ਾਰਟ ਟਰਮ ਕੋਰਸ ਐਟਮਾ 2020 ਦਾ ਉਦਘਾਟਨ

ਪ੍ਰੋ. ਸ਼ਰਦ ਕੁਮਾਰ ਪਾਤਰਾ ਤੇ ਵਿਸ਼ੇਸ਼ ਮਹਿਮਾਨ ਪ੍ਰੋ. ਜੇ. ਐਲ. ਭਗੋਰੀਆ ਨੇ ਦੱਸਿਆ ਕਿ ਨਿਰਮਾਣ ਉਦਯੋਗ 'ਚ ਉੱਨਤ ਸਮਗਰੀ ਬਣਾਉਣ ਦੀ ਤਕਨੀਕ 'ਚ ਚੁਨੌਤੀਆਂ ਦਾ ਸਾਹਮਣਾ ਕਰਨਾ ਪੈ ਰਿਹਾ ਹੈ। ਸੂਖਮ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਵਾਲੇ ਮਾਈਕਰੋ ਕੰਪੋਨੈਂਟਸ ਦੀ ਮੰਗ ਵੀ ਉਦਯੋਗਾਂ 'ਚ ਦਿਨੋ ਦਿਨ ਵੱਧਦੀ ਜਾ ਰਹੀ ਹੈ। ਇਨ੍ਹਾਂ ਉਦਯੋਗਿਕ ਚੁਨੌਤੀਆਂ ਦਾ ਸਾਹਮਣਾ ਕਰਨ ਲਈ ਆਤਮ ਨਿਰਭਰ ਭਾਰਤ ਦੇ ਯੁੱਗ 'ਚ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਖੋਜ ਪੱਖ, ਉੱਨਤ ਮੈਨੂਫੈਕਚਰਿੰਗ ਤਕਨੀਕ ਨੂੰ ਅਪਨਾਉਣਾ ਪਵੇਗਾ। ਪ੍ਰੋ. ਸ਼ਰਦ ਸਿੰਘ ਤੇ ਪ੍ਰੋ. ਇੰਦਰਾਜ ਸਿੰਘ ਨੇ ਇਸ ਸਮਾਗਮ ਸੰਬੰਧੀ ਜਾਣਕਾਰੀ ਦਿੰਦਿਆਂ ਦੱਸਿਆ ਕਿ ਆਗਾਮੀ 6 ਦਿਨਾਂ 'ਚ ਮਹਿਮਾਨਾਂ ਤੇ ਪ੍ਰਮੁੱਖ ਬੁਲਾਰਿਆਂ ਵਲੋਂ ਵਾਰਤਾਲਾਪ ਕੀਤੀ ਜਾਵੇਗੀ ਜੋ ਕਿ ਹਿੱਸਾ ਲੈਣ ਵਾਲੇ ਪ੍ਰਤੀਯੋਗੀਆਂ ਲਈ ਲਾਹੇਬੰਦ ਸਾਬਤ ਹੋਵੇਗੀ।

25-Nov-2020
 Page: 5

<http://epaper.ajitjalandhar.com/edition/20201125/14/5.cms>

Participants (Faculty) List				
S.No	Name	Designation	Organization	Email address
1	Lalitikumar M. Jugulkat	Dean, Student Development	Rajarambapu Institute of Technology	lalitikumar.jugulkar@ritindia.edu
2	Dr. Sujeet Kumar Chaubey	Guest faculty	Gautam Buddha University	sujeetiiti@gmail.com
3	Dr. Ashish Goyal	Assistant Professor	Manipal University Jaipur	ashish.goyal@jaipur.manipal.edu
4	Vivek Kumar Sharma	Assistant Professor	Quantum University Roorkee	vivekmech007@gmail.com
5	Sanjeev Gupta	Associate Professor	Government College of Engineering and Technology, Jammu	fdpsanjeevpreeti@gmail.com
6	Rajesh Kumar	Assistant Professor	Sant Longowal Institute of Engineering and Technology Longowal Sangrur Punjab	rajeshkumar37me@gmail.com
7	Dev kumar mandal	Assistant Professor (Guest Faculty)	Sant Longowal Institute of Engineering and Technology Longowal Sangrur Punjab	Devkumar613@gmail.com
8	Prof Ashok Kumar Sharma	Professor	Manipal University Jaipur	ashokkumar.sharma@jaipur.manipal.edu
9	Sunil kumar	Associate Professor	Beant College of Engineering and Technology, Gurdaspur	skumarluna73@gmail.com
10	Ravinder Goyal	Assistant Professor	Gulzar Group of Institutes	ravinder.goyal@ggi.ac.in
11	Abutalib Chhipa	Lecturer	Ujjain Engineering College	abutalibchhipa25@gmail.com
12	Mohd Mohsin Khan	Associate professor	Aligarh Muslim University Aligarh	mohdmohsinkhan557@gmail.com
13	Jitender	Assistant Professor	Aravali College of Engineering and Management	jitender14994@gmail.com
14	Dr. Sandeep Gangrade	Controller of Exams	Madhyanchal Professional University Bhopal	gangrade.sandeep@gmail.com
15	Bharat Singh	Head & Assistant Professor	Phonics Group of Institutions Roorkee	hod.medphonics@gmail.com
16	Arvind Tiwari	Assistant Professor	Raj Kumar Goel Institute of Technology	tarvind87@gmail.com
17	Bikramjit Sharma	Assistant Professor	Thapar Institute of Engineering and Technology	bikramjit@thapar.edu
18	D.S. Ebenezer Jacob Dhas	Assistant Professor	Karunya Institute of Technology and Sciences	ebenezerjacob@karunya.edu

19	Girish Kant Garg	Assistant Professor	BITS-Pilani, Rajasthan	girish@pilani.bits-pilani.ac.in
20	Pradeep PV	Assistant Professor	St Joseph's College of Engineering and Technology Palai Kottayam Kerala	bossannanpv@gmail.com
21	P.Umamaheswarrao	Assistant Professor	Bapatla Engineering College	umaenergy1@gmail.com
22	Lijo Paul	Associate Professor	St.Josephs college of engineering and technology	lijo.paul@sjcetpalai.ac.in
23	Ishan Prabhakar Lade	Assistant Professor	Gurunank Institute of Technology Nagpur	kavya98.ipl@gmail.com
24	Jasvinder Singh	Assistant Professor	Lovely Professional University	jasvinder.15854@lpu.co.in
25	Ankit	Assistant Professor	Government Engineering College Jhalawar	ankitshar3@gmail.com
26	Venkata Narasimha Raju Jampana	Asst.Professor	Shri Vishnu Engineering College for Women(A)	vnrajujampana@svecw.edu.in
27	Dr P Srinivasa Rao	Assistant Professor	Gayatri Vidya Parished College of Engineering for Women	raosrp@gmail.com
28	Manjinder Singh	Assistant Professor	Lovely Professional University	manjindersingh735@gmail.com
29	Gayatri Vidya Parished College of Engineering for Women	Assistant Professor	CT Institute of Engineering, Management & Technology, Shahpur, Jalandhar	gne.deep@gmail.com
30	Amandeep Singh	Assistant Professor	CT Institute of Engineering, Management and Technology; Shahpur	er.amandeepbansal@gmail.com
31	Dr. Gurumukh Das	Assistant Professor	Dayalbagh Educational Institute (Deemed University)	gurumukh@dei.ac.in
32	Dr. Moti Lal Rinawa	Assistant Professor	Government Engineering College Jhalawar, Rajasthan	rinawa.iitd75@gmail.com
33	Dr. Abhishek Kumar	Assistant Professor	Pandit Deendayal Petroleum University	abhishek.k@sot.pdpu.ac.in
34	Prakash Kumar Sen	Assistant Professor	Kirodimal Nstitute of Technology , Raigarh (C.G.)	prakashkumarsen@gmail.com
35	Rajaguru K	Assistant professor	K.Ramakrishnan college of Technology	rajaguruk.cad@gmail.com
36	Godwin Antony A	Assistant Professor	K. Ramakrishnan College of Technology	godwinkrct@gmail.com
37	Gopal Sahu	Assistant Professor	Kirodimal Institute of Technology, Raigarh	Gopalsahu032@gmail.com

38	Balasubramanyam N	Academic Consultant	SV University College of Engineering Tirupati	balu.phd28@gmail.com
39	Ujjal Saha	Assistant Professor	Vignan Institute of Technology and Management	thisisujjal@gmail.com
40	Rajamahanti Surya Kiran	Assistant Professor	S V P Engineering College(Andhra University), Visakhapatnam	9014166673mobile@gmail.com
41	Dheeraj Sagar	Assistant Professor	Invertis University Bareilly	dheerajsagarbly@gmail.com
42	Nagendra Akula	Professor	St.Peters Engineering College	nag2indra@gmail.com
43	Rajesh Choudhary	Associate Professor	Malout Institute of Management & Information Technology (MIMIT) Malout	rajeshmimit@gmail.com
44	Ankita Omer	Assistant Professor	Sant Longowal Institute of Engineering and Technology Longowal	ankitaomer.biet08@gmail.com
45	Lalit Ahuja	Assistant Professor	Sant Longowal Institute of Engineering and Technology Longowal	lalit.ahuja003@gmail.com
46	Jonny Singla	Assistant Professor	Sant Longowal Institute of Engineering and Technology Longowal Sangrur Punjab	Jonnysingla@sliet.ac.in
47	Jaspal Singh Gill	Associate Professor	Sant Longowal Institute of Engineering and Technology Longowal Sangrur Punjab	jsgillsliet@gmail.com
48	Dr Anand Pandey	Associate Professor - Senior Scale	Manipal University Jaipur	anand.pandey@jaipur.manipal.edu
49	Amit kumar	Assistant professor	Thdc-Ihet New Tehri	Kumaramit.mech@gmail.com
50	Vishnuprasad Mahanti	Assistant Professor	Raajdhani Engineering College	abc191795@gmail.com
51	Kaustubh Utpat	Assistant Professor	Vishwakarma University Pune	kaustubh.utpat@vupune.ac.in
52	Arohit Goyat	Chairman and Associate Professor	Gjust, Hisar, Haryana	arroy20@yahoo.com
53	Kirti Ranjan Panda	Assistant Professor	Government college of engineering keonjhar	krpanda@gcekjr.ac.in

54	Mohd. Majid	Assistant Professor	Sant Longowal Institute of Engineering and Technology Longowal Sangrur Punjab	mohdmajid_2004@rediffmail.com
----	-------------	---------------------	---	-------------------------------

Participants(Industry) List				
S. No	Name	Designation	Organization	Email address
1	Jaskirat singh	Junior Engineer (Irrigation Wing)	Bhakra Beas Management Board (Bbmb Nangal Workshop)	Jaskirat.sliet@gmail.com
2	Er Chitranshu Garg	Graduate Apprentice Trainee	Shree Cement Limited	chitranshugarg709@gmail.com
3	Ravi Pratap Singh	Mechanical	Indian Railway	ravipsingh1987@gmail.com
4	Rajeev Kumar	Managing Director	Nexome Construction Pvt Ltd., New Delhi	errajeev79@gmail.com
5	Kalhapure Rajendra E.	Workshop Superintendent	Dr. V. V. P. College of Engineering Ahmednagar	rekalhapure@rediffmail.com
6	Ashutosh Mishra	Engineer	Panchmahal Dairy Godhra	ashukidz@gmail.com
7	Abhishek Singh	Software Engineer	Accenture	Singh_1996@yahoo.co.in

Participants(Ph.D and RA) List				
S. No.	Name	Designation	Organization	Email address
1	Hari Om	Research Scholar	Sant Longowal Institute of Engineering and Technology	er.hariomgangwar@gmail.com
2	Hreetabh kishore	Research Scholar	Indian Institute of Technology Ropar	2017mez0007@iitrpr.ac.in
3	Sanjeev Kumar	Research Scholar	National Institute of Technology Agartala	placid.san@gmail.com
4	Ankit Rathi	Research Scholar	Indian Institute of Technology, Indore	phd1801103008@iiti.ac.in
5	Anmol Singh Verma	Research Scholar	Sant Longowal Institute of Engineering and Technology	anmolrajput802@gmail.com
6	Maninder Singh	Research Scholar	Sant Longowal Institute of Engineering and Technology	maninder.ciet44@gmail.com
7	Shalini Mohanty	Research Scholar	Indian Institute of Technology (IIT-ISM) Dhanbad	shalinimohanty5@yahoo.com
8	Gaurav Verma	Research Scholar	AcSIR (CSIR-CRRI)	gauravvermapage@gmail.com
9	Vineet Dubey	Research Scholar	Mechatronics Centre for Advanced Studies AKTU Lucknow	dubey.vin1324@gmail.com
10	Manoj Kumar	Research Scholar	Punjab Engineering College (Deemed to be University), Chandigarh	mnjbrd.02@gmail.com
11	Ayush Badole	Research Assistant	HBTU Kanpur	ayush.badole18@gmail.com
12	Jyothy G Vijayan	Research Scholar	M. S. Ramaiah University of Applied Sciences	jyoparu@gmail.com
13	Shyam Narayan Bharti	Research Scholar	Tata Institute of Social Sciences	bhartishyam1000@gmail.com



Sponsored by QIP (Quality Improvement Program)
AICTE, Govt. of India

ONE WEEK
ONLINE SHORT TERM COURSE (e-STC)
on

Advanced Manufacturing
Technology
& Applications (AMTA 2020)
(23 -28 November 2020)

Organized by:
Department of Mechanical
Engineering
Sant Longowal Institute of
Engineering & Technology
(Deemed to be University under
Ministry of Education (MoE) India)
Longowal -148106,
Sangrur (Punjab)



Day-1



23 November 2020
(09:30 AM - 11:00 AM)
Prof. J Ramkumar
IIT, Kanpur
Wire Electro Chemical Machining
(Wire ECM)



23 November 2020
(11:15 AM - 12:45 PM)
Prof. Biswanath Doloi
Jadavpur University, Kolkata
Laser Micromachining for Advanced
Manufacturing Applications.



23 November 2020
(03:00 PM - 04:30 PM)
Prof. Partha Saha
IIT, Kharagpur
Laser-based Additive Manufacturing of
Metallic Components.

Day-2



24 November 2020
(09:30 AM - 11:00 AM)
Prof. Hari Singh
NIT, Kurukshetra
Use of DOE in Product and
Process Optimization of AMT.



24 November 2020
(11:15 AM - 12:45 PM)
Prof. Rupinder Singh
NITTTR, Chandigarh
3D printing for Biomedical
Applications.



24 November 2020
(03:00 PM - 04:30 PM)
Dr. Harshit K. Dave
SVNIT, Surat
Orbital Electro Discharge
Machining Process.

Day-3



25 November 2020
(09:30 AM - 11:00 AM)
Prof. Narendranath S
NITK, Surathkal
Wire-Electro Discharge Machining
of Shape Memory Alloys.



25 November 2020
(11:15 AM - 12:45 PM)
Prof. Kalipada Maity
NIT, Rourkela
Hot-machining of High-strength
Material.



25 November 2020
(03:00 PM - 04:30 PM)
Dr. Ravi Pratap Singh
NIT, Jalandhar
Advanced Processing Methods for
Hard-to-Machine Engineering Materials

Day-4



26 November 2020
(09:30 AM - 11:00 AM)
Dr. Anjali Kulkarni
IIT, Kanpur
Electrochemical Spark
Micro Machining.



26 November 2020
(11:15 AM - 12:45 PM)
Dr. Manas Das
IIT, Guwahati
Nano finishing of Prosthetic Implants using
Magneto-rheological Finishing Process.



26 November 2020
(03:00 PM - 04:30 PM)
Dr. Tej Singh
Eötvös Loránd University,
Hungary
Natural and Waste Resources-based Polymer Com-
posite for Sustainable Automotive Industry Products
International Speaker

Day-5



27 November 2020
(09:30 AM - 11:00 AM)
Prof. KS Sangwan
BITS, Pilani
Smart Manufacturing



27 November 2020
(11:15 AM - 12:45 PM)
Prof. Sachin Maheswari
NSTU, New Delhi
Modern Joining Processes.



27 November 2020
(03:00 PM - 04:30 PM)
Prof. Gudipadu Venkatesh
NIT, Warangal
Abrasive Flow Machining
and its Variants.

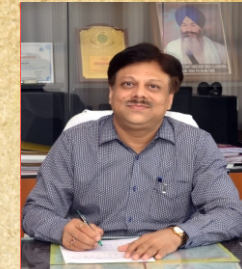
Day-6



28 November 2020
(09:30 AM - 11:00 AM)
Dr. Sagar Nikam
Ulster University,
Northern Ireland, UK
Design for Additive Manufacturing
International Speaker



28 November 2020
(11:15 AM - 12:45 PM)
Prof. Kapil Gupta
University of Johannesburg,
Republic of South Africa
Advanced Manufacturing of
Miniature Gears.
International Speaker



Prof. Shailendra Jain
Director, SLIET, Longowal
Chief Patron



Prof. A S Arora
Dean (Academics)
Patron



Prof. Rajesh Kumar
Chairman



Prof. Shankar Singh
Coordinator



Dr. Indraj Singh
Coordinator