

MECH TIMES

VOLUME III ISSUE I



DEPARTMENT OF MECHANICAL ENGINEERING

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SHORT TERM COURSE ON:

Quality Management- New Trends and Applications (QMNTA-2022)

Sant Longowal Institute of Engineering & Technology
(Deemed to be University, Estd. By MoE, Govt. of India)
Longowal, Sangrur, Punjab

Short Term Course (STC)
On
Quality Management — New Trends and Applications (QMNTA-2022)
(March 21st - 25th, 2022)

Organized by
Department of Mechanical Engineering

Organizing Committee

Chief Patron
Dr. Shailendra Jain, Dr. J.S. Dhillon
(Director) (Dean Academics)

Chairman
Prof. A.S. Shahi, HOD (ME)

Convenor
Dr. Pardeep Gupta, Professor (ME)

Coordinator
Er. Sumit Kumar, AP (ME)

Experts

Quality

Excellence

Registration

Scan QR code

Or click on link
<https://bit.ly/3u0z011>

Last date for applications
March 19th, 2022

Free registration for academics

Department of Mechanical Engineering, SLIET has organized 5 days short-term course on Quality Management- New Trends and Applications (QMNTA-2022) from 21st march to 25th March 2022.

The STC was focused on the role of quality management in achieving Manufacturing and Business Excellence. The STC was sponsored by SLIET under a grant in aid fund. A total of 50 participants have registered in this STC. A total of 10 sessions of expert lectures were planned where 9 distinguished speakers from reputed Institutes and MNCs from India, USA, and Taiwan shared their domain expertise and knowledge.

The course inauguration began with the address by the chief guest cum chief patron of the course Dr. Shailendra Jain, Director, SLIET, and Dr. J.S Dhillon (Dean Academics) Patron of the course. Chairman of the course Dr. A.S Shahi Hod (ME), and convenor of the course Dr. Pardeep Gupta professor (ME) introduced the audience to the various planned lectures in the course. The coordinator of the course Er. Sumit Kumar AP (ME) presented a vote to thank all the contributors who made this event possible.

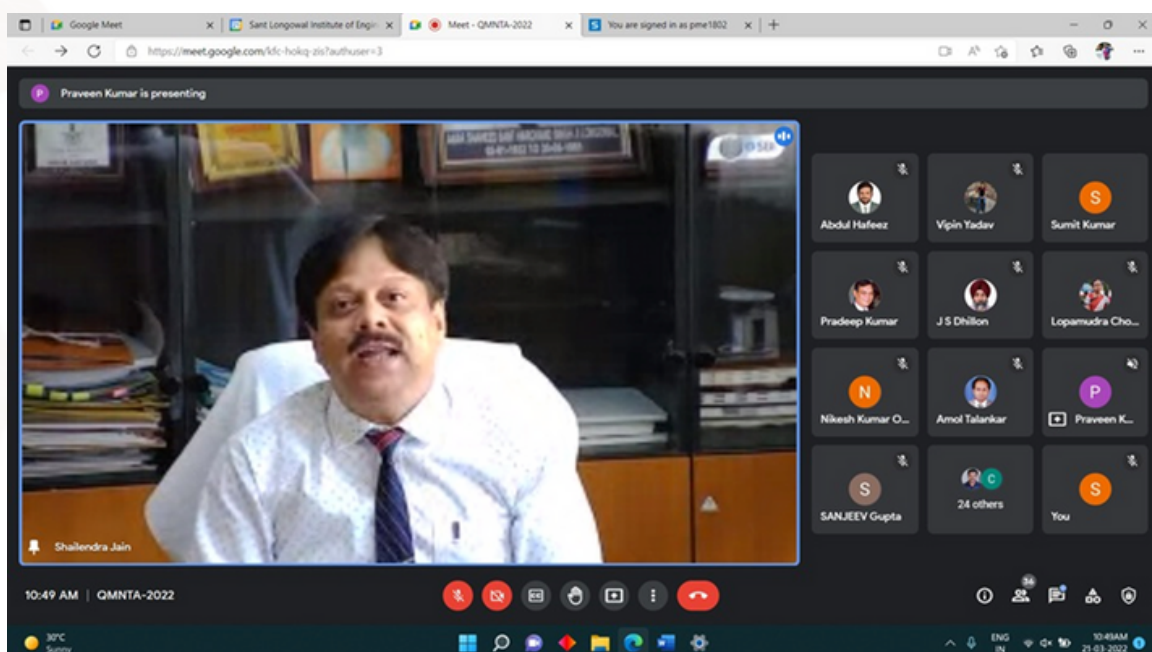
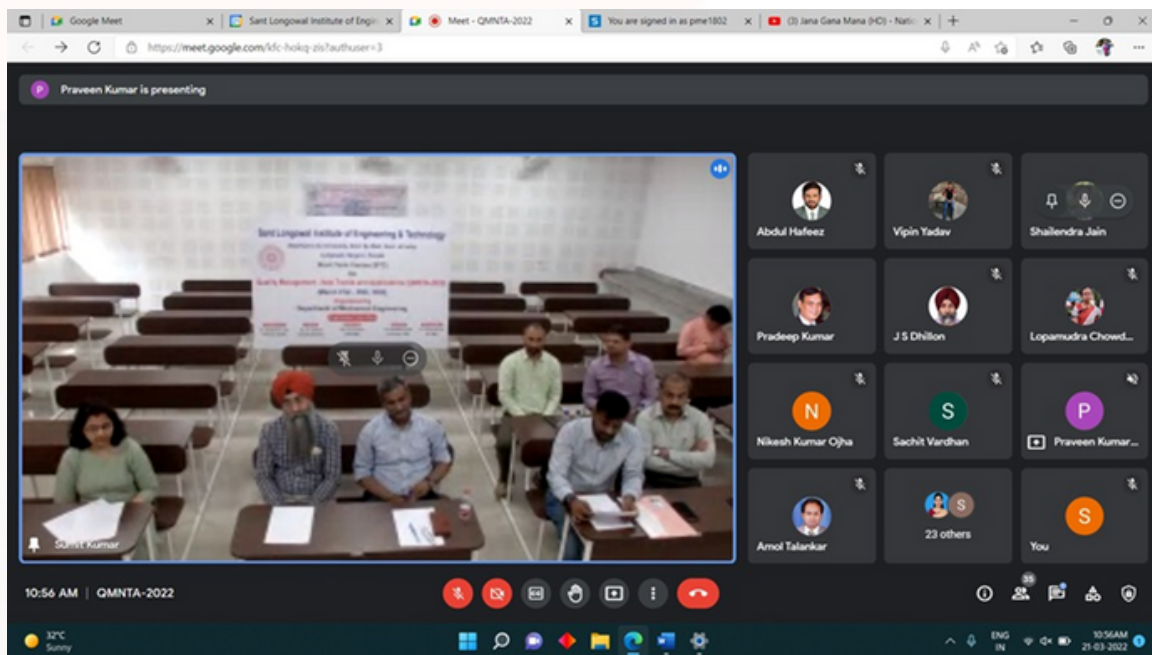
The first day of the STC was dedicated to the basic tools needed for the establishment of a quality management system in an organization by Dr. Pardeep Kumar (Professor, IIT Roorkee).

The second day of the course started with an informative talk on the evaluation of quality management systems by Prof O. P. Yadav from North Carolina A & T State University, USA. He discussed the origin of TQM philosophy. In the evening session Shri S. Shridhar Plant Head, Coca-Cola Beverages, Chennai delivered a lecture on TPM and Self-managed teams.

The started with a very detailed presentation on strategic quality management perspective giving great insight on the implementation of TQM by Dr. Pardeep Gupta, Professor, Mechanical Engineering Department, SLIET Longowal. The evening session of the third day was devoted to the achievement of manufacturing excellence through TPM in the Indian Manufacturing Industry and this concept of OEE and 16 major losses was beautifully presented by Dr IPS Ahuja, Professor, Mechanical Engineering Department, Punjabi university Patiala.

The morning session on the next day started with an expert lecture on the role of quality 4.0 in digital manufacturing where glimpses of Industry 5.0 was shared with the participants by Dr Vimal Kumar Assistant Professor, Department of Information Management, Chaoyang University of Technology, Taiwan. In The evening session Dr R.R.K. Sharma, Professor, Department of Industrial & Management Engineering, IIT Kanpur portrayed the critical success factors for the implementation of TQM with emphasis on future research direction.

The final day began with a lecture on Operational Strategic Rules through Flexible Operations by Dr Pratima Verma, Assistant Professor in the Department of Strategic Management IIM Kozhikode. In the evening session of the final day Mr Sumit Kumar, Assistant Professor, Mechanical Engineering Department, SLIET Longowal discussed the role of TQM/TPM in the business transformations needed for manufacturing as well as business excellence



INVITED/EXPERT TALKS

1. Dr Shankar Singh, Professor (Mechanical) delivered an expert talk on “Advanced Manufacturing and Industry 4.0” (11th to 17th Jan. 2022) sponsored by the AICTE-ISTE sponsored Faculty Refresher Program and organized by the Department of Malout Institute of Management & Information Technology (MIMIT), Malout (Pb.)
2. Dr A. S. Shahi delivered a keynote address on the topic ‘material characterization of engineering materials used for critical applications in the ICMMIT-2022 - (International Conference on Materials, Machines & Information Technology - 2022) held from 24-25 January 2022 and organized by Amity University Jharkhand, Ranchi, India.
3. Dr A. S. Shahi Conducted a one-day workshop on ‘Welding safety’ for Tata Structura (a group of Tata steel) for the Welding Fabricators of Palampur (Himachal) on 28 th May 2022.

ALUMNI'S CORNER

SLIET is the best place to explore yourself by doing lots of different activities & this is one of those campuses where most of the things are completely driven by students themselves.. that's why we have that opportunity to know in which area we are good... Talking about campus yes it's a beautiful greenery campus around 450acr, with nice libraries & labs .most important our college infrastructure is so much comparable with IITs & NITs.

Avinash Kumar
GWT 2020 Passout

The college experience was wonderful as it gives us the opportunity to learn and lead, teaching and overall. The faculties are highly motivated and helpful. Various fests are organized like Techfest, Madhuram and Social fest, which help the students in their overall development, along with it, various technical, social and sports clubs are there for the extracurricular development of students.

Aditya Gupta
GET ISGEC
GWT 2021 Passout

CREATIVE CORNER

हम सब सुमन एक उपवन के

हम सब सुमन एक उपवन के ,
एक हमारी धरती सबकी,
आओ खुशी से मिलकर गाए,
तीज, व्रत, त्यौहार, मनाए,
हम सब सुमन एक उपवन के,
एक हमारी धरती सबकी।

भिन्न-भिन्न है धर्म हमारे,
बोली, पोशाक, भोजन न्यारे,
भारत माता के है हम संतान प्यारे,
मिल कर हम ये लगाए नारे ,
हम सब सुमन एक उपवन के,
एक हमारी धरती सबकी।

राम, कृष्ण की जन्म भूमि ये,
बुद्ध की तपो भूमि है ये,
गुरु नानक जी की कर्म भूमि ये,
महावीर की धर्म भूमि है ये,
महापुरुषो का ले आशीष,
मन में ये गुनगुनाएँ हम,
हम सब सुमन एक उपवन के,
एक हमारी धरती सबकी।

---आशुतोष कुमार
GME/2040379



पापा की परी ~कौशिक

चिंता हुई पिता को अब बेटी जवान हुई ,
रिश्ते आने लगे अब उसके पराये होने की बात हुई,
फिर एक रिश्ता मिला लड़का सबको पसंद आया,
बातचीत आगे बढ़ी तो दहेज़ का छोटा सा फरमान सामने आया,
बेटी की खुशी थी पिता ने रिश्ता पक्का कर दिया,
मालूम थे हालात अपने फिर भी दहेज़ के लिए हॉ कर दिया,
शहनाईयां बजने लगी शादी की वो घड़ी थी,
पिता ने कर्जों से नोटों की एक बैग भरी थी,
मन उदास था लेकिन चेहरे पर उमंग थी,
बेटी की बारात अब दरवाजे पर खड़ी थी,
समय फेरो का था ना जाने कैसे बेटी को दहेज़ की भनक लग चुकी थी,
पिता के मना करने पर भी वो शादी तोड़ने का फैसला कर चुकी थी,

हर तरफ मानो दुःख का मौसम छा गया ,
यह देख लड़के को अपनी गलती का एहसास हो गया,
उसने अपनी बहन की ओर इशारा कर अपने पिता को समझा दिया ,
नोटों का बैग उस बेटी के पिता को वापिस करवा दिया,
पर दिल का एक टुकड़ा उसका फिर भी छीन रहा था,
अब बेटी की विदाई का समय जो आ गया था,
सभी की आँखों से खुशी का दर्द झलक रहा था,
फिर रोती-रोती बेटी अपने पिता के पास आई,
गले लगकर रोने लगी देख पिता को भी रोनी आई,
हौसला बांधकर उस पिता ने बेटी को दूर करा,
रोते हुए मुस्कान दिखाकर बेटी को गाड़ी में बैठा दिया,
फिर एक झलक देखकर उसकी अपना सारा मन भर लिया,
नमी आँखों से गाड़ी को धक्का लगा बेटी को विदा कर दिया,

-VISHAL KAUSHIK
GME/2040364



FACULTY PUBLICATIONS

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5. Verma, Yogesh, and Divesh Bharti. "Prediction of Lower and Higher Modes of Vibration for Kirchhoff's Plates Using Transcendental and Polynomial Functions via Semi-analytical Method." Journal of Vibration Engineering & Technologies (2022): 1-13.
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12. Kumar, Deepak, and Pradeep K. Singh. "Sliding wear characteristics of Al-4032/SiC/GMP hybrid composites using L-16 orthogonal array." Engineering Research Express 4.2 (2022): 025011.

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15. Saini, Pardeep, and Pradeep K. Singh. "Fabrication and characterization of SiC-reinforced Al-4032 metal matrix composites." Engineering Research Express 4.1 (2022): 015004.
16. Verma, Pratima, et al. "Addressing strategic human resource management practices for TQM: the case of an Indian tire manufacturing company." The TQM Journal (2021).
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18. Vashishtha, Govind, et al. "An ameliorated African vulture optimization algorithm to diagnose the rolling bearing defects." Measurement Science and Technology 33.7 (2022): 075013.
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35. Vashishtha, Govind, et al. "MOMEDA model based variational mode decomposition for Pelton wheel fault detection." *Engineering Research Express* (2022).
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37. Kumar, Vivek, Vikas Rastogi, and Pushparaj Mani Pathak. "Simulation and optimisation of suspension parameters of the high-speed train." *International Journal of Vehicle Noise and Vibration* 17.3-4 (2021): 303-322.
38. Kumar, Vivek, Vikas Rastogi, and Pushparaj Mani Pathak. "Ride comfort assessment and improvement in high-speed railway vehicle" *International Journal of heavy vehicle systems*. (In press)



Department of Mechanical Engineering

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