

## Centre for Excellence in Visionary Learning Community of India (VLCI)

### Focus of the Centre:

SDG 4: Quality Education, SDG 8: Decent Work and Economic Growth  
SDG 9: Industry, Innovation and Infrastructure, SDG 11: Sustainable Cities and Communities  
SDG 16: Peace, Justice and Strong Institutions

**Vision:** To develop next-generation Manufacturing Change Leaders through a unique teaching-learning process of sustainable classroom teaching and industrial training.

**Mission:** To provide a helping hand to SMEs to improve production by providing lean skills to the students as well as the industry employees.

**Facility Location/ Address:** G 701

**Year of Establishment:** 2017

**Faculty in-charge:** Dr. Nitin Sharma

**Members:** Dr. Amar Raj Singh Suri, Dr. Raj Kumar

### No. of Publications in following SDGs (2018-2023):

Name of SDG	No. of Publications
SDG 4: Quality Education	8
SDG 8: Decent Work and Economic Growth	53
SDG 9: Industry, Innovation and Infrastructure	116
SDG 11: Sustainable Cities and Communities	31
SDG 16: Peace, Justice and Strong Institutions	4

Extracted from Scopus database

The Centre for Excellence in Visionary Learning Community of India (VLCI) was established in the year 2017. The aim of this center is to create future change manufacturing leaders for the industries to improve MSMEs. Various subjects related to lean manufacturing have been introduced in the curriculum. The experts from the industries give their inputs related to the lean.

Students learn and then practice these tools in different industries every semester. The syllabus is designed by industry-academia experts that include 30% of teaching and 70% of practice of these tools in the industry. After learning these tools, students do their industrial training of 45 days in these industries where industry mentors provide the live problems to these students. Students practice these lean tools in the industry shop floor and provide the solution which helps the industry to grow. The center has published many influential research papers over the years.

**Thrust areas of research:** Lean Manufacturing

**Publications:**

Title	Authors	Year	Scopus Source title
Leveraging Lean Six Sigma: Reducing defects and rejections in filter manufacturing industry	Prateek Guleria, Abhilash Pathania, Himani Bhatti, Kuldeep Rojhe, Dalgobind Mahto.	2021	Materials Today: Proceedings
Value stream mapping – Panacea for lead time reduction in ferrite core industry	Abhilash Pathania, Raj Kumar, Kuldeep Rojhe, Bhaskar Goel, Sorabh Aggarwal, Dalgobind Mahto	2021	Materials Today: Proceedings
Analysis and optimization of properties of paint materials for reduction of paint defects in agro products	Pankaj Thakur, Raj Kumar, Sushil Kumar, Abhilash Pathania, Bhasker Goel.	2021	Materials Today: Proceedings
Lean six-sigma: Panacea to reduce rejection in gear manufacturing industry	Prateek Guleria, Abhilash Pathania, Rakesh Kumar Shukla, Shubham Sharma.	2021	Materials Today: Proceedings
Lean Six-sigma implementation in an automobile axle manufacturing industry: A Case Study,	Guleria P, Pathania A, Sharma S, Sá J C.	2021	Materials Today: Proceedings

**Activities:**

<b>Year</b>	<b>Name of the workshop/ seminar</b>	<b>Number of Participants</b>	<b>Date (From – To)</b>
2017-18	Observation Skills Cleanliness and safety in a factory	22	7 <sup>th</sup> Nov, 2017
2017-18	Observation Skills Cleanliness and safety in a factory	22	15 <sup>th</sup> May, 2018
2018-19	Observation Skills Cleanliness and Safety	21	8 <sup>th</sup> , Sept. 2018
2018-19	Introduction of Flow Management System	18	27 <sup>th</sup> Nov, 2018
2018-19	Observation Skills Cleanliness and safety in a factory	21	15 <sup>th</sup> Nov. 2018
2018-19	Modern Manufacturing, Basic Knowledge & Skill	19	12 March, 2019
2018-19	Introduction of Flow Management System	19	13 March, 2019
2018-19	Modern Manufacturing, Basic Knowledge & Skill	18	30 <sup>th</sup> Jan 2019
2019-2020	VLCI Faculty Training	6	6-8, Aug. 2019
2019-2020	Modern Manufacturing, Basic Knowledge & Skill	21	10 <sup>th</sup> Sept, 2019
2019-2020	Flow Management Concept	30	5-7 Nov 2019
2018	Graduation Ceremony	26	Nov 1 <sup>st</sup> , 2018





