JSPM's Jayawantrao Sawant College of Engineering, Pune-28
Department of Mechanical Engineering
Continuous Comprehensive Evaluation (CCE-V)

Course Name: PCC305-MEC Metrology and Quality Control

Class: T.E. Mechanical Engineering

Academic Year: 2026-27 [SEM –I]

CCE – V Notice

Activity Title: Guest Lecture on Lean manufacturing and Six Sigma

All students are hereby notified that, as part of CCE 5, it is mandatory to attend a guest lecture and solve a Moodle quiz based on the same. Note that absent students will be **given "0" marks for CCE 5.**

Date – 22/10/2026

Day – Thursday

Time – 9.00 am

Venue – C- 307

Prof. Suvarna Pawar	**Prof. Priyanka Barde**	**Prof Sandeep Patil**	**Dr. Pradnya Kosbe**
Subject Teacher	**Subject Incharge**	**Module Coordinator**	**HoD**

JSPM's
Jayawantrao Sawant College of Engineering
Institute's Innovation Council (IIC)

Event / Activity Report

Name of Event/Activity: Guest Lecture on "Lean Manufacturing and Six Sigma" (Unit 5 – CCE, Metrology and Quality Control)

Name and affiliation of Expert Speaker: Mr. Dilip Palve, Former COO, Victor Gaskets India Ltd. (Anand Group); Lean Six Sigma Black Belt; Founder, Lean consulting company

Program Type: - (Level 1)

Level 1: 2 to 4 hours, less than half day-Expert Talk/Exposure Visit/Mentoring Session

Level 2: 5 to 8 hours, less than a day-Conference/Exposure Visit/Seminar/Workshop/ Competition

Level 3: 9 to 18 hours, more than a day-Boot camp/ Hackathon / Competition/ Demo Day/ Exhibition/ Workshop/ Exposure Visit

Level 4: Greater than 18 hours, more than 2 days-Challenges/ Hackathon/ Competition/ Tech Fest/ Boot camp/ Workshop/ Exhibition/ Demo Day/

Program Theme-(Innovation & Design Thinking)
1. IPR & Technology Transfer 2. Innovation & Design Thinking
3. Entrepreneurship & Start up 4. Pre-Incubation & Incubation Management

Duration in Hrs: 02 hrs (approx.)

Starting Date: 22 Oct 2026 End Date: 22 Oct 2026

Total Number of Students Participated: 105 Total Number of Faculty Participated (Internal): 03

Total Number of Faculty Participated (External): Nil

Remark:

Mode of Session Delivery: Offline

1. Online 2. Offline/Hybrid

Objective: - The objective of the guest lecture on **"Lean Manufacturing and Six Sigma"** was to introduce T.E. Mechanical Engineering students to Lean and Six Sigma philosophies and their role in improving quality and productivity in industry. The session aimed to explain lean tools such as Value Stream Mapping, Heijunka, Standardized Work, Kanban, Kaizen and Poka-yoke through real industrial examples, and to show how IoT supports data-driven quality management on the shop floor. It also intended to motivate students to apply these techniques to everyday problems in their CCE activity.

Benefits In Terms of Learning Skill/Knowledge Obtained:

The lecture gave students valuable exposure to how Lean Six Sigma and IoT are used for workplace transformation in manufacturing companies. Participants understood how waste can be identified and eliminated, how variation and defects are reduced through structured problem solving, and how real-time data from machines and processes supports better quality decisions. Hearing from a former COO with 40 years of experience helped students relate Unit 5 of Metrology and Quality Control to practical industrial problems, and encouraged them to think about continuous improvement, supplier development and Industry 4.0 practices in their future careers.

LinkedIn pofile : https://www.linkedin.com/in/dilip-palve-33012b18

Introduction-

On 22 Oct 2026, JSPM's Jayawantrao Sawant College of Engineering (JSCOE), Hadapsar, Pune, hosted a guest lecture organised by the Department of Mechanical Engineering for T.E. (A & B) students as part of the Continuous Comprehensive Evaluation (CCE-V) for the subject Metrology and Quality Control. The session, titled "Lean Manufacturing and Six Sigma", was delivered by Mr. Dilip Palve, former COO of Victor Gaskets India Ltd. The faculty members Ms. Suvarna Pawar (Assistant Professor), Mr. Siddhesh Bandekar (Assistant Professor) and Dr. Prakash Kadam (Professor) were present during the session.

Speaker's Profile:

Mr. Dilip Palve is an engineer with 40 years of experience and a management qualification in E-Business. He has worked at all levels and across almost all factory functions, and served as Chief Operating Officer of Victor Gaskets India Ltd., part of the Anand Group, which collaborated with Federal Mogul, USA, where he served as a Director on the board. He retired in 2020. Through the Visionary Leaders for Manufacturing (VLFM) programme he learnt from Prof. Shoji Shiba, Prof. Furuhashi and Dr. Rathnam, and he learnt innovation from organisations such as Erehwon. He is a Six Sigma Black Belt who has built Quality Management Systems and led his company in adopting ERP. He has driven Lean transformation at Victor Gaskets and other Pune-based companies using Value Stream Mapping, Heijunka, Standardized Work, Kanban, Kaizen and Poka-yoke, and worked with suppliers at their plants under the VSME initiative. He has founded a company that helps organisations improve efficiency through Lean initiatives.

Session Highlights: The session focused on the journey of workplace transformation through Lean Six Sigma supported by IoT. The expert explained how a plant moves from reactive firefighting to a culture of continuous, data-driven improvement, using examples from his industrial career. Lean tools, Six Sigma problem solving, supplier development and the use of IoT-based data capture for monitoring quality were discussed. Students interacted actively with the speaker and the discussion continued until about 11:40 AM.

Key Points Covered:

1. Introduction to Lean thinking: value and elimination of waste (muda)
2. Overview of Value Stream Mapping, Heijunka and Standardized Work
3. Kanban, Kaizen and Poka-yoke with industrial examples
4. Six Sigma and data-based reduction of variation and defects
5. Role of Quality Management Systems and ERP in organisational transformation
6. Use of IoT for real-time monitoring of machines, processes and quality
7. Extending Lean to suppliers/vendors through the VSME initiative
8. Interaction and Q&A with students on applying Lean tools to everyday problems

Outcomes:

1. Students developed a basic understanding of Lean and Six Sigma concepts relevant to quality control.
2. Students learned how lean tools remove waste and improve productivity in real plants.
3. Participants understood how IoT and data support quality improvement and decision making.
4. Students gained practical insight that helps them in their CCE-III activity on 5S, Kaizen, Poka-yoke or Kanban.
5. The session encouraged continuous-improvement thinking and awareness of Industry 4.0 practices.

Event Poster



Poster of the Guest Lecture

Glimpses of Guest Lecture



Mr. Dilip Palve addressing the students (10:30 AM)

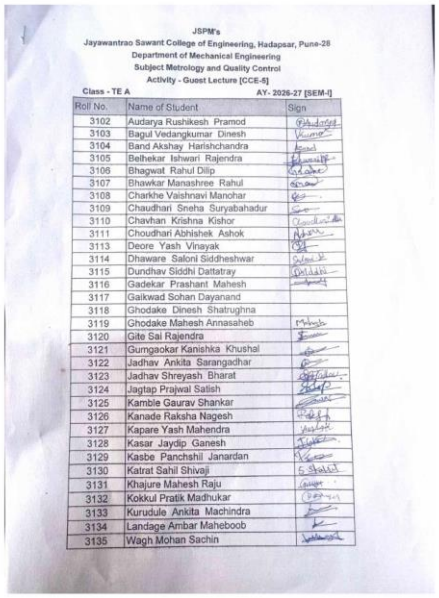


Students attending the lecture (10:31 AM)



Interactive discussion during the session (11:40 AM)

Attendance Sheet

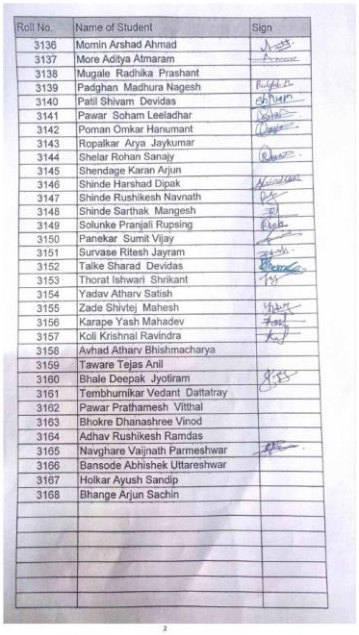


JSPM's
Jayawantrao Sawant College of Engineering, Hadapsar, Pune-28
Department of Mechanical Engineering
Subject Metrology and Quality Control
Activity - Guest Lecture [CCE-5]

Class - TE A AY- 2026-27 [SEM-I]

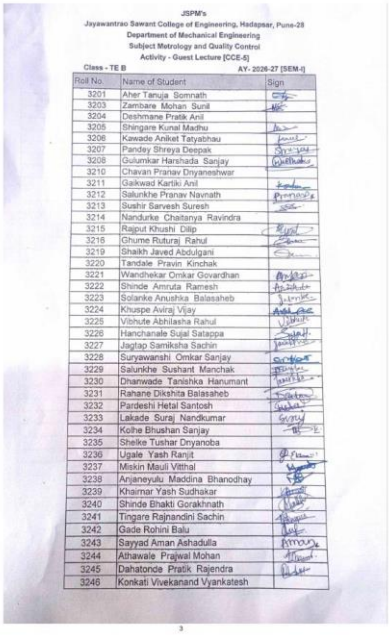
Roll No.	Name of Student	Sign
3102	Audarya Rushikesh Pramod	
3103	Bagul Vedangkumar Dinesh	
3104	Band Akshay Harishchandra	
3105	Belhekar Ishwari Rajendra	
3106	Bhagwat Rahul Dilip	
3107	Bhawkar Manashree Rahul	
3108	Charkhe Vaishnavi Manohar	
3109	Chaudhari Sneha Suryabahadur	
3110	Chavhan Krishna Kishor	
3111	Choudhari Abhishek Ashok	
3113	Deore Yash Vinayak	
3114	Dhaware Saloni Siddheshwar	
3115	Dundhav Siddhi Dattatray	
3116	Gadekar Prashant Mahesh	
3117	Gaikwad Sohan Dayanand	
3118	Ghodake Dinesh Shatrughna	
3119	Ghodake Mahesh Annasaheb	
3120	Gite Sai Rajendra	
3121	Gumgaokar Kanishka Khushal	
3122	Jadhav Ankita Sarangadhar	
3123	Jadhav Shreyash Bharat	
3124	Jagtap Prajwal Satish	
3125	Kamble Gaurav Shankar	
3126	Kanade Raksha Nagesh	
3127	Kapare Yash Mahendra	
3128	Kasar Jaydip Ganesh	
3129	Kasbe Panchshil Janardan	
3130	Katrat Sahil Shivaji	
3131	Khajure Mahesh Raju	
3132	Kokkul Pratik Madhukar	
3133	Kurudule Ankita Machindra	
3134	Landage Ambar Maheboob	
3135	Wagh Mohan Sachin	

1



Roll No.	Name of Student	Sign
3136	Momin Arshad Ahmad	
3137	More Aditya Atmaram	
3138	Mugale Radhika Prashant	
3139	Padghan Madhura Nagesh	
3140	Patil Shivam Devidas	
3141	Pawar Soham Leeladhar	
3142	Poman Omkar Hanumant	
3143	Ropalkar Arya Jaykumar	
3144	Shelar Rohan Sanjay	
3145	Shendage Karan Arjun	
3146	Shinde Harshad Dipak	
3147	Shinde Rushikesh Navnath	
3148	Shinde Sarthak Mangesh	
3149	Solunke Pranjali Rupsing	
3150	Panekar Sumit Vijay	
3151	Survase Ritesh Jayram	
3152	Talke Sharad Devidas	
3153	Thorat Ishwari Shrikant	
3154	Yadav Atharv Satish	
3155	Zade Shivtej Mahesh	
3156	Karape Yash Mahadev	
3157	Koli Krishnal Ravindra	
3158	Avhad Atharv Bhishmacharya	
3159	Taware Tejas Anil	
3160	Bhale Deepak Jyotiram	
3161	Tembhurnikar Vedant Dattatray	
3162	Pawar Prathamesh Vitthal	
3163	Bhokre Dhanashree Vinod	
3164	Adhav Rushikesh Ramdas	
3165	Navghare Vaijnath Parmeshwar	
3166	Bansode Abhishek Uttareshwar	
3167	Holkar Ayush Sandip	
3168	Bhange Arjun Sachin	

2

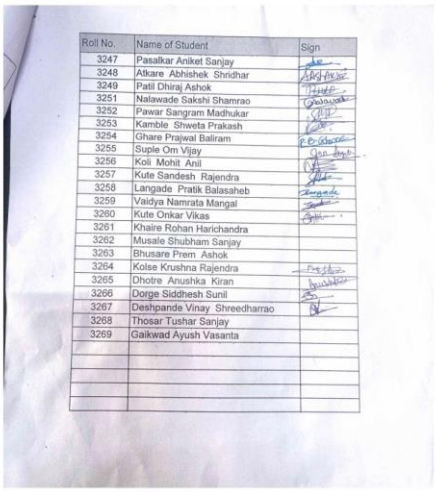


JSPM's
Jayawantrao Sawant College of Engineering, Hadapsar, Pune-28
Department of Mechanical Engineering
Subject Metrology and Quality Control
Activity - Guest Lecture [CCE-5]

Class - TE B AY- 2026-27 [SEM-I]

Roll No.	Name of Student	Sign
3201	Aher Tanuja Somnath	
3203	Zambare Mohan Sunil	
3204	Deshmane Pratik Anil	
3205	Shingare Kunal Madhu	
3206	Kawade Aniket Tatyabhau	
3207	Pandey Shreya Deepak	
3208	Gulumkar Harshada Sanjay	
3210	Chavan Pranav Dnyaneshwar	
3211	Gaikwad Kartiki Anil	
3212	Salunkhe Pranav Navnath	
3213	Sushir Sarvesh Suresh	
3214	Nandurke Chaitanya Ravindra	
3215	Rajput Khushi Dilip	
3216	Ghume Ruturaj Rahul	
3219	Shaikh Javed Abdulgani	
3220	Tandale Pravin Kinchak	
3221	Wandhekar Omkar Govardhan	
3222	Shinde Amruta Ramesh	
3223	Solanke Anushka Balasaheb	
3224	Khuspe Aviraj Vijay	
3225	Vibhute Abhilasha Rahul	
3226	Hanchanale Sujal Satappa	
3227	Jagtap Samiksha Sachin	
3228	Suryawanshi Omkar Sanjay	
3229	Salunkhe Sushant Manchak	
3230	Dhanwade Tanishka Hanumant	
3231	Rahane Dikshita Balasaheb	
3232	Pardeshi Hetal Santosh	
3233	Lakade Suraj Nandkumar	
3234	Kolhe Bhushan Sanjay	
3235	Shelke Tushar Dnyanoba	
3236	Ugale Yash Ranjit	
3237	Miskin Mauli Vitthal	
3238	Anjaneyulu Maddina Bhanodhay	
3239	Khairnar Yash Sudhakar	
3240	Shinde Bhakti Gorakhnath	
3241	Tingare Rajnandini Sachin	
3242	Gade Rohini Balu	
3243	Sayyad Aman Ashadulla	
3244	Athawale Prajwal Mohan	
3245	Dahatonde Pratik Rajendra	
3246	Konkati Vivekanand Vyankatesh	

3



Roll No.	Name of Student	Sign
3247	Pasalkar Aniket Sanjay	
3248	Atkare Abhishek Shridhar	
3249	Patil Dhiraj Ashok	
3251	Nalawade Sakshi Shamrao	
3252	Pawar Sangram Madhukar	
3253	Kamble Shweta Prakash	
3254	Ghare Prajwal Baliram	
3255	Suple Om Vijay	
3256	Koli Mohit Anil	
3257	Kute Sandesh Rajendra	
3258	Langade Pratik Balasaheb	
3259	Vaidya Namrata Mangal	
3260	Kute Onkar Vikas	
3261	Khaire Rohan Harichandra	
3262	Musale Shubham Sanjay	
3263	Bhusare Prem Ashok	
3264	Kolse Krushna Rajendra	
3265	Dhotre Aniushka Kiran	
3266	Dorge Siddhesh Sunil	
3267	Deshpande Vinay Shreedharrao	
3268	Thosar Tushar Sanjay	
3269	Gaikwad Ayush Vasanta	

4

Prof. Priyanka Barde
Subject Teacher

Dr. Pradnya Kosbe
HoD