

Information Brochure

Post-Graduate Program
Master of Technology (TQM)
Open to BE/B.Tech
Year 2017-2018

Centre of Total Quality Management (TQM)



PEC University of Technology Sector-12,
Chandigarh-160012 www.pec.ac.in



Prof. Naresh Chawla
Co-ordinator
nareshchawla@pec.ac.in,
+91-97790-70555

Dr. Sanjeev Kumar
Head, Centre of Total
Quality Management
sanjeevkumar@pec.ac.in,
+91-98761-33477

About the Program

The Master's program in TQM is a self-supporting interdisciplinary programme. It was started as ME (TQEM) in 2011 and was further fortified through association with Quality Council of India and renamed as M.Tech (TQM) in 2015. Curriculum for this program has been designed as per the industrial requirement, after consulting industry practitioners, which was further vetted by Quality Council of India.

The program is highly practice-oriented and provides a good opportunity to the students to learn the concepts in real life scenario by working on live projects in the industry.

USP of the Program

- Students are mentored by faculty having rich industrial experience in pertinent quality management practices and application of quality management tools and techniques.
- Quality experts and practitioners from QCI and Industry regularly visit the centre to deliver lectures and interact with the students.
- Learning through case studies.
- Students are exclusively trained in Lean Six Sigma, by Black Belts and Master Black Belts having practical experience, to enhance their skills in structured problem solving and data analysis using MINITAB & SPSS.

- Emphasis on working on real life problems of industry
- Each student does projects and thesis in the industrial environment and demonstrates his prowess of quality tools such as Hypotheses Testing, DoE, Value stream mapping etc.
- Each student does presentations of his projects and thesis work besides writing reports.
- Besides the analytical skills, there is an equal emphasis on grooming the personality of the students by improving their communication and presentation skills.



Quality is free. It's not a gift, but it's free. What costs money are the 'unquality' things—all the actions that involve not doing jobs right the first time *Phil Crosby*

Course Curriculum

1. Quality Improvement Tools & Techniques (7 QC tools, Advanced Quality Tools)
2. Quality Management Systems (ISO 9000/ISO 14000, TS 16949, OHSAS)
3. Lean Six Sigma
4. Reliability, Maintainability & Availability
5. Value Engineering
6. Design of Experiment & Research Methodology
7. Statistical Quality Control
8. Lab I & II (SQC, Six Sigma)

Electives:

1. Performance Management & Systems
2. Measurement System Analysis
3. Information Security Systems & Management
4. Software Product Quality Planning and assurance

Training & Internships

Students of our first batch have been trained in following organizations:

- Bosch Ltd, Bangalore
- IFB Industries Ltd, Goa
- Panasonic, Gurugram
- Tata Power, New Delhi
- Tata Steel Ltd Jamshedpur

Students of second batch are doing their internship in the following companies:

- Maruti, Gurugram
- Quality Council of India, New Delhi
- Hella India Lighting Ltd., Derabassi

Placements

Placements of the first batch are in process. A few notable placements are as follows:

- Dharmender Bhatt has joined Tata Powers-Delhi Distribution Ltd, New Delhi as Executive Trainee
- Kamal Kant Sharma has joined Quality Council of India, New Delhi as Executive Officer (Trainee)
- Piyush Sood is working as consultant for an organization implementing lean manufacturing competitiveness scheme of DC-MSME, Gol in MSMEs
- Yash Pinder Kaur has joined Panasonic, Jhajjar Plant as Executive R&D

