

PRODUCT DESIGN OPTIMIZATION WITH CAE



COURSE OVERVIEW

This course is designed to provide participants with the practical knowledge in plastic injection moulding machine and process. Main components and functions are introduced to relate to the injection process cycle. Parameters in injection moulding are paramount information for participants in order to control the process and produce good parts. Defects are an issue that is faced by injection moulders, hence the causes, common defects and trouble shooting guides are explained to further enhance participant's knowledge. This will help workers to produce good parts and increase productivity.

COURSE OBJECTIVES

At the completion of this course, participants will be able to :

- Familiarize with Solver and Optimization process
- Apply topology optimization
- Create conceptual designs related to structural synthesis
- Improve product designs through topology and topography optimization

THE UNIQUENESS OF THIS COURSE

- Brief demonstration on the software operation and process, indicating key elements for analysis.
- Experienced trainers in the field of analysis on 3D data.

WHO SHOULD ATTEND

Target Group: Design engineers, Tooling engineers, Programmers, Machinist, technicians, technical trainers, product designers and styling designers.

KEY TOPICS

- Introduction to Design Optimization
- Technique & Application of Design Optimization
- Design Interpretation - OSSmooth
- Case Studies

METHODOLOGY

Consist of theory contents, lessons delivery is via lectures and demonstration on 3D software.

COURSE DURATION

4 Days

PRE-REQUISITE

Minimum have completed SPM/SPMV

CERTIFICATION

Certificate of attendance will be issued to those who fulfil 80% of attendance.

For further details, please contact:

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