

## **COURSE TITLE : ADVANCED MOULD DESIGN**

### **COURSE OVERVIEW**

This course is designed to provide participants with the advanced knowledge in plastic mould construction and design. The scope emphasizes on more complex product and mould design, where participants engage in practical activities to design a plastic product and mould using CAD system.

Products are designed based on related material applications, with high consideration on material properties. The scope of design is into multi-daylight moulds and runner-less mould. The approach of mould design also covers aspects of feed, ejection and cooling systems and common injection moulding calculations.

### **COURSE OBJECTIVES**

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

- Differentiate between single daylight moulds and multi daylight moulds.
- Justify the selection of multi daylight moulds
- Design injection mould with three plate types
- Explain the different types of hot runner units.
- Design injection mould with using hot runner systems.

### **THE UNIQUENESS OF THIS COURSE**

- Practical activities for example product and mould design in CAD approach, demo on mould operation.

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