COURSE TITLE: FUNDAMENTALS OF MOULD TECHNOLOGY

COURSE OVERVIEW
This course is designed to provide participants with the fundamentals in plastic materials and processing. An emphasis is given to the plastic injection moulding process; the focal point of a majority of the plastic industry. The characteristics of major plastic materials are explained with theoretical approach. Common plastic processing techniques in manufacturing are explained to give a broader perspective on available methods, for example injection moulding, extrusion, and blow moulding. The course also provides key information on basic mould construction and design, including common terminologies used in injection moulding.

COURSE OBJECTIVES
Upon completion of this course, participants will be able to:

- Classify different types of plastic materials and plastic additives
- Identify and explain types of plastic processing commonly practiced by industries
- Identify types of plastic injection mould constructions.

THE UNIQUENESS OF THIS COURSE

- The training approach is different to attract class participation during lectures.
- Assistance from experienced trainers in the field of plastics and processing industry.

WHO SHOULD ATTEND
This course is designed for those related to the plastics and processing industry.

Target Group: Product designers, Design engineers, Tooling engineers, Line supervisors and Technicians, QC staff and Mould setters.

KEY TOPICS

- Plastic Materials
  - Characteristic of Plastics
  - Additives
  - Uses of Plastic
  - Categories of Plastics
- Plastic Processing
  - Injection Moulding
  - Extrusion Moulding
  - Calendering
  - Blow moulding
  - Thermoforming
  - Compression Moulding
  - Transfer Moulding
- Basic Injection Moulding and Terminology
  - Mould construction and their functions, 2-plate mould, 3-plate mould, Split type and Side core mould

METHODOLOGY
Consists of theoretical contents. Lesson delivery via lectures and discussions,

COURSE DURATION
3 Days / 21 Hours

PRE-REQUISITE
Minimum - SPM/SPMV

CERTIFICATION
Certificate of attendance will be issued to those who successfully complete 80% of the attendance.