

Semester:				
Course Code:	EF4010			
Course Name:	Industrial Training			
Credit Value:	6 (Notional hours: 960)			
Prerequisites:	-			
Core/Optional	Core			
Hourly Breakdown	Lecture hrs.	Tutorial hrs.	Practical hrs.	Independent Learning & Assessment hrs.
	5	-	960 (24 weeks)	-

Course Aim: To provide an industrial exposure for the students to acquire knowledge, develop professional skills, and demonstrate the requisite work ethics and attitudes for achieving success in their career opportunities and a smooth transition from an academic environment to an industrial/ research environment

Intended Learning Outcomes:

On successful completion of the course, the students should be able to;

- **Describe** the background, Management structure, Standard Operating Procedures, Occupational health and safety procedures of the organization.
- **Explain** how Engineering Principles are applied in real industrial situations, practical issues arise and possible solutions in such applications and Quality assurance standards and practices.
- **Describe** Ethical practices, Professionalism, Social aspects and Sustainability practices in industrial/ research environments.
- **Demonstrate** the training experience through a daily diary, formal report, oral presentation and viva.

Course Content:

- **Introduction to the Industrial Training Programme :** Overview of the industrial training programme including its importance, parties involved and their responsibilities, schedules of training programme, procedures of arrangement of training, reporting for training and documentary work, behavior during the training period
- **Guidelines for demonstration of the knowledge and experience gained through training :** Maintenance of daily diary, report writing, effective presentations
- **Industry exposure through training in industrial/ research organizations :** Understanding the background of the organization, Management structure and operational procedures, application of engineering fundamentals, issues and possible actions, quality assurance practices, health and safety practices, ethical practices, professional ways to handle situations, social and sustainability practices, effective communication

Teaching /Learning Methods: In-plant training

Assessment Strategy:

Continuous Assessment 10%	Final Assessment 90%		
Details:	Theory (%)	Practical (%)	Other (%)
Mid Training Presentation - 10%	-	90%	-

Recommended Reading:

1. Collins, S., Ghey, J. and Mills, G. (2004). *The Professional Engineer in Society*. India: Jessica Kingsley.

2. Iesl.lk, (2019). IESL Code of Ethics. [online] Available at:
https://iesl.lk/index.php?option=com_content&view=article&id=20:code-of-ethics&catid=14&lang=en&Itemid=138 [Accessed: 10 June 2019].