Electronic and Telecommunication Engineering

Module Code	EN3992	Module Title	Industrial Training		
Credits	6.0	**Duration**	24 weeks	**Pre/Co - requisites**	None
GPA/NGPA	NGPA				
Module Type	Compulsory				

Learning Outcomes

At the end of the module the student will be able to:

1. *Describe* the organization in which trainee is undergoing training with respect to the work carried out, organizational structure, its business practices, financial management and ultimately appreciate the differences between academic and industrial environments as an entry-level engineer.
2. *Apply* the knowledge of mathematics, science and engineering fundamentals learnt in the University to an industrial setting, and the industrial engineering knowhow gained from industry in further academic work.
3. *Practice* health and safety procedures, risk management, professional ethics, industrial standards and processes as required by an employee.
4. *Demonstrate* the technical, teamwork and managerial skills developed through the training.
5. *Evaluate* the economic, environmental, social, and cultural impact of the tasks performed during training period.

Outline Syllabus

1. **Induction**: Initial period to help the student in the transition from academic to industrial life. The students should meet his/her mentor to discuss the contents and the objectives of training. He /She should also receive information about the training organization, its products or services and the terms and conditions of employment.
2. **Practical Skills**: During this period the student should receive instructions in the practical skills essential for his/her future employment. It should also include an appreciation of the work of others in converting an engineering design into a final product (if appropriate).
3. **General Engineering** Training: In a large organization this should include an introduction to the work done in various departments. Under these circumstances, the student may eventually be working as a member of a team in the organization. The student should be made aware of the management and administration tasks of the organization.
4. **Directed Objective Training**: The major part of the training should be directed towards conducting engineering activities which the student intends to specialize in. The student should be encouraged to work on real world problems and substantial responsibility should be vested upon to encourage independent work to establish interest and confidence within the student.

Most of the training time will cover Design and Development, Documentation and Data preparation, and commissioning. The student should also have a thorough understanding of the operations of the training place in the Electronics and Telecommunication Engineering context.

Assessments:
- Daily Diary & Four-Weekly Continuous Assessment Reports [LO 2, 4] - 30%
- Report on Industrial Training [LO 1, 2, 3, 4, 5] - 30%
- Oral Examination [LO 1, 2, 3, 4, 5] - 40 %

Departmental Coordinator:	Dr. PG Jayasekara

Mapping of Learning Outcomes to Program Outcomes

Learning Outcomes Covered	Program Outcomes											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
LO1		L								L	L	M
LO2	H				H							
LO3	L					H		M				M
LO4	L	L	L			M		L	H	M	M	H
LO5						H	L			H	L	H
Overall Contribution to POs	H	L	L		H	H	L	M	H	H	M	H

Scale:	H - High	M - Medium	L - Low