

No.	Information of Introduction to Non-Destructive Testing	
1	Unit name:	Introduction to Non-Destructive Testing
2	Code:	NE 61063
3	Classification:	Major subject
4	Credit value:	3.5
5	Semester / Year Offered:	1/6
6	Pre-requisite:	None
7	Mode of delivery:	Lecture, Presentation, Discussion, Term Paper
8	Assessment system and breakdown of marks:	Presentation and Term Paper
	Presentation (Two Presentations)	40%
	Term Paper (Two Papers)	40 %
	Presentation and Seminar Attendance	20%
9	Academic staff teaching unit:	Department of Nuclear Technology
10	<p>Course outcome of unit:</p> <p>After completion of this course, students will be able to</p> <ol style="list-style-type: none"> 1. Classify the methods of NDT 2. Identify the methods of NDT 3. Understanding the Ultrasonic Testing(UT) 4. Understanding the Radiographic Testing(RT) 	
11	<p>Synopsis of unit:</p> <p>This course is devoted to Non-Destructive Evaluation. The course is intended to provide thorough knowledge in the principles of Ultrasonic Testing-UT and fundamentals of materials and processes such that the trainee would be able to identify suitability of UT for the material and inspection techniques. The course is intended to provide through grounding in the principle of Radiographic Testing-RT and fundamentals of material and process such that the trainee would be able to identify suitability of RT for the material and inspection technique and develop techniques and procedures that can be followed by a Level I operator</p>	
12	<p>Topic:</p> <ol style="list-style-type: none"> 1. Ultrasonic Testing 	

	<ol style="list-style-type: none">2. Radiographic Testing3. Magnetic Particle Testing4. Eddy Current Testing5. Penetrant Testing6. Visual Testing
13	Main reference: Non-Destructive Testing(NDT)- Guildance Document: An Introduction to NDT Common Methods