NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

COURSE OUTLINE TEMPLATE			
Course Title	**NPTEL/CERTIFIED COURSES**		
Course Code	**EN 611**	**No. of Credits**	**1**
Department	**DEE**	**Faculty**	**C.NAVEEN/R.RAMESH**
Pre-requisites Course Code			
Course Coordinator(s) (if, applicable)	**DR.M.PREMALATHA**		
Other Course Teacher(s)/Tutor(s) E-mail		**Telephone No.**	
Course Type	☐ **Core course**	☑ **Elective course**	

COURSE OVERVIEW

This course is aimed (i) to improve the self-learning capability of students (ii) to gain knowledge in domain of his/her own self interest(iii) exposure to other international/foreign universities curriculum.

COURSE OBJECTIVES

Objective of the course varies according to the online course chosen by the student.

COURSE OUTCOMES (CO)

Outcome of the course varies according to the online course chosen by the student but is kept in pace with the programme educational objectives of the department.

COURSE TEACHING AND LEARNING ACTIVITIES

1. Student has to choose an online course of his/her own self-interest from the enclosed list of courses or an equivalent course offered by reputed online course providers like Coursera/NPTEL/EDX.
2. The online course opted by the student should have minimum contact hours of 15.
3. At the beginning of the semester, the online course needs to be approved by the HoD and Dean (Academic).

COURSE ASSESSMENT METHODS				
S.No.	**Mode of Assessment**	**Week/Date**	**Duration**	**% Weightage**
1.	Evidence for completion of online course			Eligibility for appearing in final assessment
2.	Assignment (2 Nos)	5^{th},10^{th} weeks		30 marks
3.	Final Written Exam		1.5 Hours	70 marks

ESSENTIAL READINGS : Suggested Online Courses approved in BoS

1. Energy 101: The Big Picture
2. Our Energy Future.
3. Wind Energy
4. Politics and Economics of International Energy.
5. Fundamentals of Global Energy Business.
6. Intoduction to Thermodynamics: Transferring Energy from Here.
7. Organic Solar Cell: Theory and Practice.
8. Introduction to Sustainability.
9. Principles of Downstream Techniques in Bioprocess.
10. Basic Electrical Circuits.
11. Basics of Noise and its measurements.
12. Mechanical Operations

COURSE EXIT SURVEY

Student Feedback form.

COURSE POLICY

As per NITT terms and norms. (Flexible Curriculum)

ADDITIONAL COURSE INFORMATION

The Course Coordinator is available for consultation in DEE department or through mail address *latha@nitt.edu*

FOR SENATE'S CONSIDERATION

Course Faculty Ramesh.R **CC-Chairperson** N. Ananthan **HOD** M. Ramesh