

DEPT. OF ELECTRICAL ENGG.

Minutes of DUGC held on 25.03.2013

1. The programme linked EAS for both the programmes of Electrical Engg. has been finalized as:

- i) Data Structures: 3-1-2
- ii) Probability and Stochastic Processes: 3-1-0
- iii) Electronic Materials: 3-0-0
- iv) Thermodynamics: 3-0-0

For thermodynamics the suggested content is attached for comments and suggestions

Macroscopic approach to energy analysis. Energy transfer as work and heat, and the First Law of Thermodynamics. Properties and states of simple substances. Control-mass and control-volume analyses. The essence of entropy, and the Second Law of Thermodynamics. The Carnot cycle and its implications for practical cyclic devices. Introduction to heat transfer by conduction, convection, and radiation. Basic formulation and solution of steady and transient problems. Issues relevant to cooling of electrical devices.

2. The Introduction to engineering and programme content was discussed. The following suggestion was made by DUGC Career option sessions should be included in both 1st sem and 2nd sem of the course

3. No comments were made to the content of "Introduction to design and practical experience"

4. Under the Programme linked EAS, EED is offering the following 3 courses:

- i) EEL 201
- ii) EEL 203
- iii) EEL 205

Course templates for the three courses are attached. Kindly provide feedback