

# **PROJECT**

## **EE901-C01**

**Credits: 4**

**Year: II**

**Part: I**

### **Course Objectives**

- To develop skills to understand a peer reviewed technical paper or research paper; select, review and understand the content of the paper; simulate the problem presented in the paper following the given methodology and obtain results that match those in the paper.
  - Based on the simulation carried out, write a report containing background, rationale, objectives, scope and limitation, results and discussion and conclusions..
- 1** Understanding a technical paper; understanding a research paper; Searching research papers from relevant field of studies, introduction to research methods used in engineering
  - 2** Significance of peer review in research publications; Searching for research papers: from an wider pool to narrow domain; Selection of a single reference paper to work on
  - 3** Develop clear understanding of the content of the paper; Understand scope, objectives and methodology of the paper; Model and simulate the system described and obtain results; Compare the obtained results with those provided in the reference paper
  - 4** Look for potential anomalies in your approach and take measures to get rid of them; arrive at a conclusion that either agrees with the conclusion of the paper or not; provide probable causes for discrepancies and if possible suggest ways to mitigate these discrepancies
  - 5** Based on the work done for the chosen paper, write a formal research proposal that contains background, rationale of the research, objectives and scope, proposed methodology, expected outcomes, timeline for completion of the work. This will serve as a Research proposal for respective student's Master's thesis

### **Evaluation Schemes**

Regular progress presentations and semester end final presentation