

# **SE 110: Software Engineering**

**Spring 2012**

## **Project Proposal**

### **Project Title: Document Engineering - Custom e-books**

Team Members (Names and roll numbers, maximum 5 students):

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Abstract (Max 200 words):

At present, a lot of machinery/equipments are equipped with manuals which are nothing more than a mere printed version of their working aspects. Users may find this version of the manual hard to understand, especially if the working process of the machine is seemingly complex. To solve this issue, the concept of IETMs was developed in 1990s. An IETM or Interactive Electronic Technical Manual is a portal to manage technical documentation. Interactive electronic documentation allows the user to determine the material to be viewed by interacting with the computer. IETM finds widespread usage in today's world.

The Internet and its supporting technologies like XML and web services give us great efficiencies and flexibility in how we create, manage and share information. As part of our project, we basically 'document engineer' e-books, in-accordance with IETM, to create custom e-books, which can be easily understood by users, since it incorporates the various aspects of IETM as mentioned above. This basically requires us to explore the field of data modelling, which would give us an idea as to how to document engineer existing e-books, thus resulting in a customized product at the end.

Faculty Supervisor:  
Prof Chandrashekar

Signature of Faculty Supervisor: