BTEE-701 SOFTWARE TRAINING

Internal Marks:	**150**	**L**	**T**	**P**
External Marks:	**100**	**0**	**0**	**2**
Total Marks:	**200**			

Students will be provided training on any of three of the programming language/ application softwares. All the applications shall be related to the Electrical components and systems.

- Any high level procedure oriented or object oriented programming language. Such language should be covered under regular or elective subject(s).
- MatLab
- LabView
- PSpice
- PSCAD

Students will undertake one project related to the Electrical components and systems based on the software training imparted during the semester in a group of three students. The entire group will select different projects. Students will be required to prepare a report on the Project undertaken and deliver a seminar on the project undertaken. The students will be evaluated based on Project undertaken, project report, seminar and viva-voce examination.

GUIDELINES TO PAPER SETTERS

1. The question paper shall have three sections:
   Section A of 20 marks
   Section B of 20 marks
   Section C of 20 marks.
2. **Section A** is compulsory shall contain only **ONE** question with TEN sub-question carrying **two marks** each distributed from the entire syllabus. These questions shall be of conceptual nature and of short answer type to test the basic grasp of the subject matter by the students.
3. **Section B** shall contain **FIVE** questions and students shall be asked to answer any **FOUR** questions. Each question will carry **five marks**. These questions are to be set from different parts of syllabus with not more than one question from one part.
4. **Section C** shall contain **THREE** questions students shall be asked to answer any **TWO** questions. Each question shall carry **ten marks**. These questions are to be set from those parts of syllabus, which are not covered in Section B and restricted to not more than one question from each part.
5. At least 40% of the question should be numerical wherever applicable.
6. The paper setter shall provide detailed marking instructions and solution to numerical problems for evaluation purpose in the separate envelopes provided for solution.
7. The two different question papers should not contain more than 15% same/similar questions.