

KADI SARVA VISHWAVIDYALAYA

B.E Semester: V

Electronics & Communication Engineering

Subject Name: Electronics Manufacturing and Testing

Subject Code: 507

W.E.F 2014-15

Objective of the Course:

- To make the students familiar about the latest developments in the areas of electronics and communication engineering.
- To make them learn the modern developments of Electronics Circuits/Modules.
- To prepare students for taking up new and completely unfamiliar challenges.
- To make them learn to how to keep industrial touch, to solve industry related Problems.

Teaching / Examination Scheme:

| SUBJECT | | Teaching Scheme | | | | Total Credit | Evaluation Scheme | | | | | Total Marks |
|---------------|--|-----------------|----------|----------|----------|--------------|-------------------|----------|----------|-----------|------------|-------------|
| | | L | T | P | Total | | THEORY | | IE | CIA | PR. / VIVO | |
| CODE | NAME | Hrs | Hrs | Hrs | Hrs | | Hrs | Marks | Marks | Marks | Marks | |
| EC-507 | Electronics Manufacturing and Testing | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 40 | 60 | 100 |

Outline of the Course:

| Sr. No. | Title of the Unit |
|---------|---|
| 1 | Introduction. |
| 2 | Select Industry Related Problem. |
| 3 | Time schedule |
| 4 | Preparation of Hardware of the Problem. |
| 5 | Testing of Hardware |
| 6. | Costing, Marketing & viability |

- **Total Hours (Lab) : 30**
- **Total Hours : 30**

Detailed Syllabus:

As per the objective and problem area chosen

Instructional Methods and Pedagogy:

At the start of course, the course delivery pattern, prerequisite of the subject will discussed. Attendance is compulsory in laboratory which carries a 5% component of overall evaluation. The overall evaluation is based on quality of technical information discussed, presentation and question answers and solution of problem.

Student Learning Outcomes

1. Able to understand designing of electronic circuits related to industry.
2. Able to design different electronics projects
3. Costing & Marketing
4. Visit of Industry/ Test & Research Lab

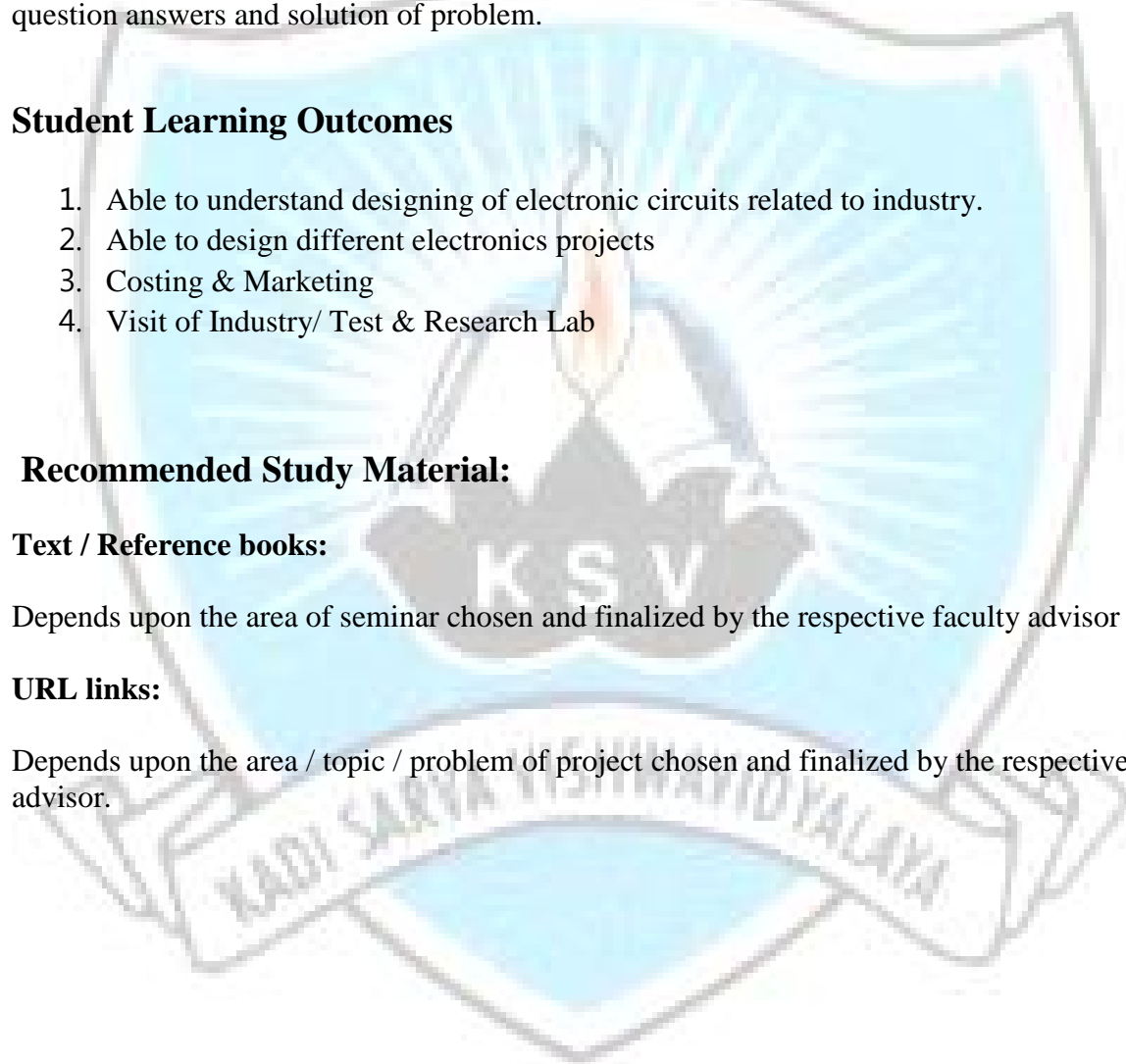
Recommended Study Material:

Text / Reference books:

Depends upon the area of seminar chosen and finalized by the respective faculty advisor

URL links:

Depends upon the area / topic / problem of project chosen and finalized by the respective faculty advisor.



ANNEXURE - I

Instructional Method & Pedagogy:

- At the start of course, the course delivery pattern , prerequisite of the subject will be discussed
- Lecture may be conducted with the aid of multi-media projector, black board, OHP etc. & equal weight age should be given to all topics while teaching and conduction of all examinations.
- One internal exam may be conducted and total/average/best of the same may be converted to equivalent of **30 marks** as a part of internal theory evaluation.
- Attendance is compulsory in lectures and laboratory, which may carries **05 marks** in overall evaluation.
- Assignment based on course content will be given to the student for each unit/topic and will be evaluated at regular interval. It may carry an importance of **10 marks** in the overall internal evaluation.
- Surprise Quizzes/ Seminar/ Tutorial may be conducted and having share of **05 marks** in the overall internal evaluation.
- Experiments shall be performed in the laboratory related to course contents.