B.E. Semester: 4
Electronics & Communication Engineering
Subject Name: Seminar
Subject Code: EC-406

A. Course Objective :

- To make the students familiar about the latest developments in the areas of electronics and communication engineering.
- To make them learn the modern modes of communication and presentation through computerized systems and reports.
- To prepare students for taking up new and completely unfamiliar challenges.
- To make them learn to how to use the e resources fully available on-line.

B. Teaching / Examination Scheme :

SUBJECT		Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
CODE	NAME	L	T	P	Total		THEORY		IE	CIA	PR. / VIVO	
		Hrs	Hrs	Hrs	Hrs		Hrs	Marks	Marks	Marks	Marks	
EC-406	Seminar	0	0	2	2	1	0	00	00	40	60	100

C. Detailed Syllabus :

1. Introduction of the concept of the seminar i.e. why, when (a boost to encourage the students for its importance)
2. Defining the area of interest from the enlisted pool:
   Applied electromagnetic engineering for industrial applications, electromagnetic waves, Linear and integrated circuits and their applications, Audio-video engineering, Power electronics-circuits and devices, Microcontroller based advanced applications and concepts, Various electronics circuits design theories-their approaches and practical implementations, Microprocessor, peripherals, communication techniques, Engineering management, Electronics Devices, components, high end technology, Network Theory, Circuits, Advanced mathematical concepts, E-software, instruments and measurements, embedded systems, speech processing, fuzzy logic and neural networks.
3. Searching for the reading material.
4. Reading the material for finalizing the topic.
5. Writing and re-writing the abstract/summary and report.
6. Preparing and finalizing the presentation in ppt format.
7. Presenting and attending the seminar (during the semester) per batch in time multiplexed Mode.

D. Lesson Planning :

Sr. No.	Title of the Unit
1	Introduction of the concept of the seminar i.e. why, when (a boost to encourage the students for its importance)
2	Defining the area of interest from the enlisted pool: Applied electromagnetic engineering for industrial applications, electromagnetic waves, Linear and integrated circuits and their applications, Audio- video engineering, Power electronics-circuits and devices, Microcontroller based advanced applications and concepts, Various electronics circuits design theories-their approaches and practical implementations, Microprocessor, peripherals, communication techniques, Engineering management, Electronics Devices, components, high end technology, Network Theory, Circuits, Advanced mathematical concepts, E-software, instruments and measurements, embedded systems, speech processing, fuzzy logic and neural networks.
3	Searching for the reading material.
4	Reading the material for finalizing the topic
5	Writing and re-writing the abstract / summary and report
6	Preparing and finalizing the presentation in ppt format
7	Presenting and attending the seminar (during the semester) per batch in time multiplexed Mode.

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

E. Instructional Method 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 at the time of presentation.

F. Student Learning Outcomes:

1. Able to understand the basic importance of seminar
2. Able to present him/her self in front of the public i.e killing the stage fear
3. Able to study at his/her own in the area of interest
4. Develop the soft skill and personality
5. Able to learn multiple new techniques
6. Able to know the current trends in the electronics engineering

G. 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 of seminar chosen and finalized by the respective faculty advisor.