

**HS103: INTRODUCTION TO EC DEPARTMENT
CREDITS - 1 (LTP:0,0,1)**

Course Objectives:

This course facilitates the students to get a comprehensive exposure to electronics and communication engineering.

Teaching and Assessment Scheme:

Teaching Scheme (Hours per week)			Credits	Assessment Scheme				Total Marks
L	T	P		Theory Marks		Practical Marks		
			ESE	CE	ESE	CE	100	
0	0	2	1	0	0	40		60

Course Contents:

Unit No.	Topics	Teaching Hours
1.	Introduction: History of major inventions in electronics and communication Engineering, Overview of various specializations in ECE.	4
2.	Department Vision, Mission: Introduction to institute and dept vision and mission, PEOs, PSOs, POs, COs and OBE	4
3.	Future Scope: Career opportunities, Avenues for higher studies in India and abroad, In plant training, Internships, Distinguished alumni in India and Abroad	6
4.	Industries and R& D: List of Industries and R & D institutions in India Category wise and domain wise.	4
5.	Library: Introduction to library facility in EC department and central library and other institutes, National and International journals, accessing digital library: Science direct and IEEE Explore, e-books and learning resources in the intranet and internet like MOOC through NPTEL and Webinar.	6
6.	Departmental Facilities: Brief overview of curriculum, laboratories and various software packages, electronic testing and measuring equipments, Specification for electronic components, Mini projects, Technical report preparation	4
Total		28

List of References:

***Books are not required**

Lecture notes prepared by Department of Electronics and Communication Engineering

BVM ENGINEERING COLLEGE [AN AUTONOMOUS INSTITUTION]

Course Outcomes (COs):

By learning this course students will be able to ...

1. Understand the scope and need of electronics and communication engineering.
2. Understand importance of vision, mission, PEOs, PSOs and COs, POs
3. Identify the list of R&D institutions, PSUs and Private industries in the domain of EC.
4. Recognize the standard books, reputed Journals and Magazine in the domain of EC.
5. Know the departmental technical resources.