AURORA'S ENGINEERING COLLEGE

BHONGIR, NALGONDA DIST. – 508116.

Lab manual of

ANALOG COMMUNICATIONS LAB

3ECE, 1st Semester, 2014-15

(As per 2009 Regulation)

DEPARTMENT OF

ELECTRONICS AND COMMUNICATION ENGINEERING

PREFACE

Communication is the core area of ECE and constitute the largest application in use today. One cannot imagine today's world without communication engineering. Communication lab helps students to acquire knowledge about more widely used Analog communication concepts. Communication is the basic process of exchanging information .In today's world there are number of modern communication system in use, which include radio telephony and telegraphy, broad casting, point to point and mobile communications and telemetry.

In analog modulation, the characteristics of carrier signal vary with in accordance with the instantaneous value of modulating signal. In this analog modulation ,we can learn the AM, FM and PM techniques.

This laboratory intended to make students understand the use of Analog communication systems in the field of communication.

LAB CODE

1. Students should report to the concerned labs as per the timetable schedule.

2. Students who turn up late to the labs will in no case be permitted to perform the experiment scheduled for the day.

3. After completion of the experiment, certification of the concerned staff in-charge in the observation book is necessary.

4. Students should bring a notebook of about 100 pages and should enter the readings/ observations into the notebook while performing the experiment.

5. The record of observations along with the detailed experimental procedure of the experiment performed in the immediate last session should be submitted and certified by the staff member in-charge.

6. Not more than three students in a group are permitted to perform the experiment on a setup.

7. The group-wise division made in the beginning should be adhered to, and no mix up of student among different groups will be permitted later.

8. The components required pertaining to the experiment should be collected from stores in-charge after duly filling in the requisition form.

9. When the experiment is completed, students should disconnect the setup made by them, and should return all the components/instruments taken for the purpose.

10. Any damage of the equipment or burnout of components will be viewed seriously either by putting penalty or by dismissing the total group of students from the lab for the semester/year.

11. Students should be present in the labs for the total scheduled duration.

12. Students are required to prepare thoroughly to perform the experiment before coming to Laboratory.

13. Procedure sheets/data sheets provided to the students' groups should be maintained neatly and to be returned after the experiment.

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