

**SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF ARTS AND SCIENCE
(AUTONOMOUS), COIMBATORE - 641 020**

Name of the Programme: B.Sc. Electronics and Communication Systems

MonthYear of Revision: 2017-2018

S.No.	Course Title	Course Code	% of Revision
1	Basic and practical aspect of electronics	17UEC5CP6	100

Note:

No.of Courses offered by the Department (A) 36

No.of Courses revised in BoS (20% Revision) (B) 1

Formula for Syllabus revision: $(B/A)*100$ 2.78%

Open Choice Elective

NME-2: Maintenance of Domestic Appliances Subject Code: 18UEC4NM2 Year: II

Semester: IV Credits: 2 Hrs/Week: 2

Educational Objective:

1. Understand the basic of wiring systems.
2. Understand the concept of DC and AC.
3. Understand the concept of audio and video systems.

Course Learning Outcomes:

1. Ability to identify AC and DC sources
2. Acquire the knowledge of earthing system.
2. Acquire the knowledge of indicating system.
3. Acquire the knowledge of Audio and Video Systems.

Unit – I Basics of DC, AC and Wiring Systems

Sources of DC and AC - Introduction to power distribution system Symbols for electrical installations – Electrical accessories: Switches – Wires – Cables – Holders – Electrical lighting circuits – Protection circuits: Fuse – Fuse rating – Earthing system – Magnetic circuit breakers.

Unit – II Indicating System

DC bell – AC bell – Buzzer – Two tone chime- Design and construction of bell circuits – Bell circuits with indicating system – Fire alarm system: Block diagram – Detectors – Manipulating circuit using SCR – Water level indicator: Block diagram – Level detectors.

Unit – III Domestic Appliances

Audio and Video Systems; Closed circuit Television (Basics) - Electronic clock – Grinder – Mixing machine – Washing machine – Electric oven – Microwave oven – Stabilizer – Refrigerator – Iron Box – Electric Fan - Air cooler – Air conditioner – Mobile phone – UPS.

Books for Study:

1. P.P.Gupta, "Electrical Equipments", Dhanpat Rai & Sons, Second Edition, 1993.
2. R.G.Gupta, "Audio and Video systems", TMH Publishing Ltd, Eighth Edition, 2000.
3. Robert L. Goodman, "Maintaining & Repairing Video Cassette Recorders", BPB Publications, First Edition, 1984.
4. R.C.Vijay, "Servicing Cassette Recorders and Two-in-one", BPB Publications, Second Edition, 1990.

Books for Reference:

Ru.Van Wesel, Gordon J.King, "Video Hand Book", Newness Technical Books, Second Edition, 1983.

Program: B.Sc Electronics and Communication System


Course title: **PROJECT WORK**


Subject Code: 18UEC6CPR

Year: III

Semester: VI

Credits: 4


Chairman
Board of Studies


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