Department of Electronics Engineering Technology
School of Computer Studies
MSU ± Iligan Insitute of Technology
A. Bonifacio Avenue, Tibanga

14) make an algorithm for given problems.

Year 2
1. Analyze different diode applications as such series/parallel diode connections, rectifiers, clippers, clampers and zener diode regulators;
2. analyze and design basic electronic amplifier circuits;
3. design and implement experiments using flip-flops, registers, memories and counters;
4. service electrical/electronic systems and components;
5. convert ac small signal equivalent of electronic amplifier circuits;
6. implement a microprocessor instruction set in a simulator-based assembly language solutions;
7. write, compile, debug and execute computer programs using a high level language;
8. acquire the skills in micro and small entrepreneur;
9. install, configure, maintain, diagnose and troubleshoot computer systems and networks;
10. familiarize the construction and properties of different integrated circuits;
11. awareness on the existence of the various laws and regulations related to constructions and installations of Antennas , radio transmitters, Licensing Procedures prior to operation of transceivers and transmitters;
12. assemble, test, and align electronic AM/FM radio receivers;
13. trace schematic diagrams of AM/FM circuits;
14. category;

3.

Advanced Digital Techniques
Advanced Digital Techniques Lab.
Instruments and Measurements
Instruments and Measurements Lab
Computer Programming I
Computer Organization and Architecture
Computer Organization and Architecture Lab.
Computer Networks and Data Communication Fundamentals
Computer Networks and Data Communication Fundamentals Lab.
Computer Repair and Maintenance I
Computer Repair and Maintenance I Lab.
Advanced Computer Networks and Data Communication
Advanced Computer Networks and Data Communication Lab.
LAN Switching and Wireless Communication
LAN Switching and Wireless Communication Lab.
Radio Laws and Regulations
Communications System
Communications System Lab.
Telecommunication Fundamentals
Telecommunication Fundamentals Lab.
Professional Ethics
Audio-Video Systems
Audio-Video Systems Lab.
Transmitter System
Transmitter System Lab.
Network Operating System
Network Operating System Lab.
Technopreneurship
Internetworking Technology
Secure Converged Networks
Multilayer Switched Networks
VOIP and IP Telephony
Network Application Software
Network Design and #efagstractionancPgßIDL-Based D R ”•
Network Security
Network Management
Wireless Communications
Project Management
Assembler Language and Programming
Assembler Language and Programming Lab.
Programmable Logic Controller Applications
Programmable Logic Controller Applications Lab.
Introduction to Operating Systems
Introduction to Operating Systems Lab.
Microprocessor and System Applications
Microprocessor and System Applications Lab.
Computer Repair and Maintenance II
Computer Repair and Maintenance II Lab.
Discrete Mathematics for ECT
Object-Oriented Programming
Object-Oriented Programming Lab.
Fundamentals of Embedded Systems Design and Programming
Real-Time and Embedded Operating Systems
Programming Mobile Devices
HDL-Based DigitaVbrient7avft baYHDL-iw