MANNAR THIRUMALAI NAICKER COLLEGE(Autonomous)

(An Autonomous Institution Affiliated to Madurai Kamaraj University)
(Accredited with "A" Grade by NAAC)
Pasumalai, Madurai -625004

Programme	: UG	**Part III**	: Core
Semester	: III	**Hours per week**	: 04
Subject Code	: 18UELC31	**Credit**	: 04

DIGITAL ELECTRONICS

Course Outcomes

CO1: To understand the concepts of binary, octal and hexadecimal conversions.
CO2: To know about arithmetic and logical circuits.
CO3: To get a strong idea in Flip-flops counters and registers.
CO4: To get Knowledge about Converters.

rogramme	: UG	**Part III**	: Core
Semester	: III	**Hours per week**	: 04
Sub code	: 18UELC32	**Credit**	: 04

LINEAR INTEGRATED CIRCUITS

Course Outcomes

CO1: To understand the concepts of Op-Amp

CO2: To gain the knowledge about the linear and non linear applications of an Op-amp

CO3: To understand the concepts of regulators, timers and generators

CO4: To Know about the special functions of ICs (555,565 and566)

Programme	: UG	**Part III**	: Allied
Semester	: III	**Hours per week**	: 04
Sub code	: 18UELA31	**Credit**	: 04

PROGRAMMING IN C

Course Outcomes

CO1: To have knowledge in C.
CO2: To Develop the programming skills.
CO3: To know about Pointers and Structures.
CO4: To understand about file handling I/O functions in C.

Programme	**: UG**	**Part IV**	**: NME**
Semester	**: III**	**Hours per week**	**: 02**
Sub code	**: 18UELN31**	**Credit**	**: 02**

MICROPROCESSOR – 8085

Course Outcomes
CO1: To know about the program model and organization of a microprocessor.
CO2: To understand the Microprocessor Architecture.
CO3: To understand the Concepts of Opcode and addressing modes.
CO4: To develop the program skills.

Title of the Paper	**: UG**	**Part III**	**: Core**
Semester	**: IV**	**Hours per week**	**: 06**
Sub code	**: 18UELC41**	**Credit**	**: 06**

ANALOG AND DIGITAL COMMUNICATION SYSTEMS

Course Outcomes
CO1: To get strong idea about AM and FM techniques.
CO2: To know about digital data transmission.
CO3: To understand about Quantization and encoding.
CO4: To make the students understand about the concepts of Modem and RS-232 standards.

Programme	**: UG**	**Part III**	**: Allied**
Semester	**: IV**	**Hours per week**	**: 06**
Subject code	**: 18UELA41**	**Credit**	**: 04**

NUMERICAL METHODS

Course Outcomes

CO1: To make the students understand basic concepts of Numerical Methods.
CO2: To develop the skills in solving Simultaneous equations and Interpolations**.**
CO3: To develop the skills in solving differentiation and integration problems numerically.
    CO4: To improve the ability to solve difference equations and differential equations numerically.

Title of the Paper	**: UG**	**Part III**	**: Core (P)**
Semester	**: III & IV**	**Hours per week**	**: 02**
Sub code	**: 18UELCP2**	**Credit**	**: 03**

DIGITAL ELECTRONICS- LAB

Course Outcomes:
CO1: To familiarize with the concepts of basic gates and Universal gats.
CO2: To study about Boolean laws and DeMorgan's Theorem experimentally.
CO3: To understand about sequential and combinational circuits.
CO4: To know about A/D converter and D/A converter.

Title of the Paper	**: UG**	**Part III**	**: Core(P)**
Semester	**: III & IV**	**Hours per week**	**: 02**
Sub code	**: 18UELCP3**	**Credit**	**: 03**

LINEAR INTEGRATED CIRCUITS – LAB

Course Outcomes:
CO1: To make the students to be practical in Linear Integrated Circuit Applications.
CO2: To study the characteristics of an Operational Amplifier.
CO3: To understand about Linear and Non-Linear applications of an Operational Amplifier.
CO4: To study about applications of IC555 experimentally.

Title of the Paper	**: UG**	**Part IV**	**: NME**
Semester	**: IV**	**Hours per week**	**: 02**
Sub code	**: 18UELN41**	**Credit**	**: 02**

MOBILE COMMUNICATION

Course Outcomes
CO1: To understand the concept of mobile Communication.
CO2: To know about the mobile communication standards.
CO3: To understand about Multiple access techniques
CO4: To know about the Mobile Satellities

Programme	**: B.Sc.(IT)**	**Part III**	**: Allied**
Semester	**: IV**	**Hours per week**	**: 04**
Subject Code	**: 18UITA41**	**Credit**	**: 04**

DIGITAL PRINCIPLES AND APPLICATIONS

Course Outcomes
CO1: To understand the concepts of binary, octal and hexadecimal conversions, digital logic gates and codes
CO2: To know about arithmetic, combinational logical circuits and data processing circuits
CO3: To get a strong idea in Flip-flops, counters and registers.