| HONOURS | NUMBER OF LECTURES | JULY-SEPTEMBER | OCTOBER -DECEMBER | JANUARY-MARCH | APRIL-JUNE |
|---|---|---|---|---|---|
| **SEMESTER I CMSACOR01 T** | **60** | SECTION 1,2,3,4,5,6,7,8 NO. OF CLASSES=37 | SECTION 8,9,10,11 NO. OF CLASSES=23 | | |
| **SEMESTER I CMSACOR01P** | **60** | SOFTWARE LABORATORY NO. OF CLASSES=36 | SOFTWARE LABORATORY NO. OF CLASSES=24 | | |
| **SEMESTER I CMSACOR02 T** | **60** | SECTION 1,2,3,4 NO. OF CLASSES=37 | SECTION 4,5,6 NO. OF CLASSES=23 | | |
| **SEMESTER I CMSACOR02 T** | **60** | COMPUTER SYSTEM ARCHITECTURE LABORATORY NO. OF CLASSES=36 | COMPUTER SYSTEM ARCHITECTURE LABORATORY NO. OF CLASSES=24 | | |
| **GENERAL** | **NUMBER OF LECTURES** | **JULY-SEPTEMBER** | **OCTOBER -DECEMBER** | | |
| **SEMESTER I CMSGCOR01 T** | **60** | COMPUTER FUNDMENTALS, PLANNING THE COMPUTER PROGRAM, TECHNIQUES OF PROBLEM SOLVING, OVERVIEW OF PROGRAMMING, INTRODUCTION TO PYTHON, CREATING PYTHON PROGRAMS NO. OF CLASSES=37 | CREATING PYTHON PROGRAMS, STRUCTURES, INTRODUCTION TO ADVANCED PYTHON NO. OF CLASSES=23 | | |
| **SEMESTER I CMSGCOR01 P** | **60** | SOFTWARE LABORATORY NO. OF CLASSES=36 | SOFTWARE LABORATORY NO. OF CLASSES=24 | | |

**DEPARTMENT OF COMPUTER SCIENCE**

**DEPARTMENT OF COMPUTER SCIENCE**

| HONOURS | NUMBER OF LECTURES | JULY-SEPTEMBER | OCTOBER -DECEMBER | JANUARY-MARCH | APRIL-JUNE |
|---|---|---|---|---|---|
| **SEMESTER II CMSACOR03T** | **60** | | | SECTION 1,2,3,4 NO. OF CLASSES=26 | SECTION 4,5,6 NO. OF CLASSES=34 |
| **SEMESTER II CMSACOR03P** | **60** | | | SOFTWARE LABORATORY NO. OF CLASSES=28 | SOFTWARE LABORATORY NO. OF CLASSES=32 |
| **SEMESTER II CMSACOR04T** | **90** | | | SECTION 1,2,3 NO. OF CLASSES=38 (32L + 6T) | SECTION 3,4,5 NO. OF CLASSES=52 (43L + 9T) |
| **GENERAL** | **NUMBER OF LECTURES** | **JULY-SEPTEMBER** | **OCTOBER -DECEMBER** | JANUARY-MARCH | APRIL-JUNE |
| **SEMESTER II CMSGCOR02T** | **60** | | | INTRODUCTION TO DBMS, ENTITY RELATIONSHIP AND ENHANCED ER MODELLING, RELATIONAL DATA MODEL NO. OF CLASSES=26 | RELATIONAL DATA MODEL, DATABASE DESIGN NO. OF CLASSES=34 |
| **SEMESTER II CMSGCOR02P** | **60** | | | SOFTWARE LABORATORY NO. OF CLASSES=28 | SOFTWARE LABORATORY NO. OF CLASSES=32 |

| HONOURS | NUMBER OF LECTURES | JULY-SEPTEMBER | OCTOBER -DECEMBER | JANUARY-MARCH | APRIL-JUNE |
|---|---|---|---|---|---|
| **SEMESTER III CMSACOR05T** | **60** | SECTION 1,2,3,4,5,6 NO. OF CLASSES=37 | SECTION 6,7,8 NO. OF CLASSES=23 | | |
| **SEMESTER III CMSACOR05P** | **60** | SOFTWARE LABORATORY NO. OF CLASSES=36 | SOFTWARE LABORATORY NO. OF CLASSES=24 | | |
| **SEMESTER III CMSACOR06T** | **60** | SECTION 1,2,3,4 NO. OF CLASSES=37 | SECTION 4,5,6 NO. OF CLASSES=23 | | |
| **SEMESTER III CMSACOR06P** | **60** | SOFTWARE LABORATORY NO. OF CLASSES=36 | SOFTWARE LABORATORY NO. OF CLASSES=24 | | |
| **SEMESTER III CMSACOR07T** | **60** | SECTION 1,2,3,4 NO. OF CLASSES=37 | SECTION 4,5,6,7,8 NO. OF CLASSES=23 | | |
| **SEMESTER III CMSACOR07P** | **60** | NETWORK LABORATORY NO. OF CLASSES=36 | NETWORK LABORATORY NO. OF CLASSES=24 | | |
| **SEMESTER III CMSSSEC01M** | **15** | PLANNING THE COMPUTER PROGRAM, TECHNIQUES OF PROBLEM SOLVING, OVERVIEW OF PROGRAMMING, INTRODUCTION TO PYTHON | CREATING PYTHON PROGRAMS NO. OF CLASSES=05 | | |

| | | NO. OF CLASSES=10 | | | |
|---|---|---|---|---|---|
| **SEMESTER III CMSSSEC01M (PRACTICAL)** | **30** | SOFTWARE LABORATORY NO. OF CLASSES=18 | SOFTWARE LABORATORY NO. OF CLASSES=12 | | |
| **GENERAL** | **NUMBER OF LECTURES** | **JULY-SEPTEMBER** | **OCTOBER -DECEMBER** | | |
| **SEMESTER III CMSGCOR03T** | **60** | INTRODUCTION, TYPES OF OPERATING SYSTEMS, OPERATING SYSTEM ORGANIZATION, PROCESS MANAGEMENT, SCHEDULING NO. OF CLASSES=37 | SCHEDULING, MEMORY MANAGEMENT, SHELL INTRODUCTION AND SHELL SCRIPTING NO. OF CLASSES=23 | | |
| **SEMESTER III CMSGCOR03P** | **60** | SOFTWARE LABORATORY NO. OF CLASSES=36 | SOFTWARE LABORATORY NO. OF CLASSES=24 | | |

**DEPARTMENT OF COMPUTER SCIENCE**

**DEPARTMENT OF COMPUTER SCIENCE**

| **HONOURS** | **NUMBER OF LECTURES** | **JULY-SEPTEMBER** | **OCTOBER -DECEMBER** | **JANUARY-MARCH** | **APRIL-JUNE** |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| **SEMESTER IV CMSACOR08 T** | **60** | | | SECTION 1,2,3 NO. OF CLASSES=26 | SECTION 3,4,5,6 NO. OF CLASSES=34 |
| **SEMESTER IV CMSACOR08 P** | **60** | | | SOFTWARE LABORATORY NO. OF CLASSES=28 | SOFTWARE LABORATORY NO. OF CLASSES=32 |
| **SEMESTER IV CMSACOR09 T** | **60** | | | SECTION 1,2,3 NO. OF CLASSES=26 | SECTION 4,5,6,7 NO. OF CLASSES=34 |
| **SEMESTER IV CMSACOR09 P** | **60** | | | SOFTWARE LABORATORY NO. OF CLASSES=28 | SOFTWARE LABORATORY NO. OF CLASSES=32 |
| **SEMESTER IV CMSACOR10 T** | **60** | | | SECTION 1,2,3 NO. OF CLASSES=26 | SECTION 3,4,5,6 NO. OF CLASSES=34 |
| **SEMESTER IV CMSACOR10 P** | **60** | | | SOFTWARE LABORATORY NO. OF CLASSES=28 | SOFTWARE LABORATORY NO. OF CLASSES=32 |
| **SEMESTER IV CMSSSEC02 M** | **15** | | | INTRODUCTION,OVERVIEW AND HISTORY OF R, GETTING HELP, DATA TYPES, SUBSETTING, VECTORIZED OPERATIONS, READING AND WRITING DATA, CONTROL STRUCTURE, FUNCTIONS, LAPPLY, TAPPLY, SPLIT, MAPPLY, APPLY, CODING | SCOPING RULES, DEBUGGING TOOLS, SIMULATION, R PROFILER NO. OF CLASSES=08 |

| GENERAL | NUMBER OF LECTURES | JULY-SEPTEMBER | OCTOBER -DECEMBER | JANUARY-MARCH | APRIL-JUNE |
|---|---|---|---|---|---|
| | | | | STANDARDS<br>NO. OF CLASSES=07 | |
| **SEMESTER IV CMSSSEC02M (PRACTICAL)** | **30** | | | SOFTWARE LABORATORY<br>NO. OF CLASSES=12 | SOFTWARE LABORATORY<br>NO. OF CLASSES=18 |
| **GENERAL** | **NUMBER OF LECTURES** | **JULY-SEPTEMBER** | **OCTOBER -DECEMBER** | JANUARY-MARCH | APRIL-JUNE |
| **SEMESTER IV CMSGCOR04T** | **60** | | | INTRODUCTION, DATA REPRESENTATION AND BASIC COMPUTER ARITHMETIC, BASIC COMPUTER ORGANIZATION AND DESIGN<br>NO. OF CLASSES=26 | BASIC COMPUTER ORGANIZATION AND DESIGN, CENTRAL PROCESSING UNIT, PROGRAMMING THE BASIC COMPUTER, INPUT-OUTPUT ORGANIZATION<br>NO. OF CLASSES=34 |
| **SEMESTER IV CMSGCOR04P** | **60** | | | COMPUTER SYSTEM ARCHITECTURE LABORATORY<br><br>NO. OF CLASSES=28 | COMPUTER SYSTEM ARCHITECTURE LABORATORY<br><br>NO. OF CLASSES=32 |

| HONOURS | NUMBER OF LECTURES | JULY-SEPTEMBER | OCTOBER -DECEMBER | JANUARY-MARCH | APRIL-JUNE |
|---|---|---|---|---|---|
| SEMESTER V CMSACOR11T | 60 | JAVA, JAVASCRIPT, JDBC,JSP NO. OF CLASSES=37 | JSP, JAVA BEANS NO. OF CLASSES=23 | | |
| SEMESTER V CMSACOR11P | 60 | SOFTWARE LABORATORY NO. OF CLASSES=36 | SOFTWARE LABORATORY NO. OF CLASSES=24 | | |
| SEMESTER V CMSACOR12T | 90 | SECTION 1,2,3 NO. OF CLASSES=60 (50L+10T) | SECTION 3,4 NO. OF CLASSES=30(25L+5T) | | |
| SEMESTER V CMSADSE01T | 60 | MICROPROCESSOR ARCHITECTURE, MICROPROCESSOR PROGRAMMING NO. OF CLASSES=37 | MICROPROCESSOR PROGRAMMING, INTERFACING NO. OF CLASSES=23 | | |
| SEMESTER V CMSADSE01P | 60 | MICROPROCESSOR LABORATORY NO. OF CLASSES=36 | MICROPROCESSOR LABORATORY NO. OF CLASSES=24 | | |
| SEMESTER V CMSADSE02T | 60 | OVERVIEW NO. OF CLASSES=37 | DATA MINING TECHNIQUES NO. OF CLASSES=23 | | |
| SEMESTER V CMSADSE02P | 60 | SOFTWARE LABORATORY NO. OF CLASSES=36 | SOFTWARE LABORATORY NO. OF CLASSES=24 | | |
| **GENERAL** | **NUMBER OF LECTURES** | **JULY-SEPTEMBER** | **OCTOBER -DECEMBER** | | |

| SEMESTER V CMSGDSE01T | 90 | INTRODUCTION TO JAVA, OBJECT ORIENTED PROGRAMMING CONCEPT, JAVA PROGRAMMING FUNDAMENTAL, CLASSES AND OBJECTS, ARRAYS AND STRINGS, ABSTRUCT CLASS, INTERFACE AND PACKAGES<br><br>NO. OF CLASSES=60 (50L+ 10T) | ABSTRUCT CLASS, INTERFACE AND PACKAGES, EXCEPTION HANDLING, FILE HANDLING, APPLET PROGRAMMING<br><br>NO. OF CLASSES=30(25L + 5T) | | |
| --- | --- | --- | --- | --- | --- |

**DEPARTMENT OF COMPUTER SCIENCE**

| HONOURS | NUMBER OF LECTURES | JULY-SEPTEMBER | OCTOBER -DECEMBER | JANUARY-MARCH | APRIL-JUNE |
|---|---|---|---|---|---|
| **SEMESTER VI CMSACOR13T** | **60** | | | SECTION 1,2 NO. OF CLASSES=26 | SECTION 3,4,5 NO. OF CLASSES=34 |
| **SEMESTER VI CMSACOR13P** | **60** | | | SOFTWARE LABORATORY NO. OF CLASSES=28 | SOFTWARE LABORATORY NO. OF CLASSES=32 |
| **SEMESTER VI CMSACOR14T** | **60** | | | SECTION 1,2,3 NO. OF CLASSES=26 | SECTION 3,4,5,6 NO. OF CLASSES=34 |
| **SEMESTER VI CMSACOR14P** | **60** | | | SOFTWARE LABORATORY NO. OF CLASSES=28 | SOFTWARE LABORATORY NO. OF CLASSES=32 |
| **SEMESTER VI CMSADSE04T** | **60** | | | UNDERSTANDING BIG DATA, NOSQL DATA MANAGEMENT, BASICS OF HADOOP NO. OF CLASSES=26 | MAPREDUCE APPLICATIONS, HADOOP RELATED TOOLS NO. OF CLASSES=34 |
| **SEMESTER VI** | **60** | | | SOFTWARE LABORATORY NO. OF CLASSES=28 | SOFTWARE LABORATORY NO. OF CLASSES=32 |

| CMSADSE04P | | | | | |
|---|---|---|---|---|---|
| **SEMESTER VI CMSADSE06P** | **90** | | | NO. OF CLASSES=60 | NO. OF CLASSES=30 |
| **GENERAL** | **NUMBER OF LECTURES** | **JULY-SEPTEMBER** | **OCTOBER -DECEMBER** | JANUARY-MARCH | APRIL-JUNE |
| **SEMESTER VI CMSGDSE04T** | **90** | | | BASIC CONCEPTS, PHYSICAL LAYER, DATA LINK LAYER, NETWORK LAYER<br><br>NO. OF CLASSES=50 (42L + 8T) | NETWORK LAYER, TRANSPORT LAYER, APPLICATION LAYER, NETWORK SECURITY<br><br>NO. OF CLASSES=40 (33L + 7T) |