YEAR/ SEMESTER II -II

BUSINESS ECONOMICS AND PROFESSIONAL ETHICS

CO1: Students will be able to understand economics and business economic concepts

CO2: Students will be able to differentiate different business organisations and nurture the idea of start-ups

CO3: Students will be able to build up decision making skill under uncertain business climate

CO4: To interpret the basics of financial accounting and relevance of accounting principles

CO5: Students will be able to evaluate long term investment proposals

CO6: Apply accounting concepts and methods to interpret financial statements for evaluating the financial position and performance of organizations

COMPUTER ORGANIZATION

CO1: Able to understand the basic components and the design of cpu, alu and control unit

CO2: Understand the architecture of 8086 with its functionalities and able to write assembly language programs

CO3: Understand the communication among peripheral devices and the computation of arithmetic operations on integers and floating point numbers

CO4: Differentiate the types of memory and the techniques used to access the memory

CO5: Understand how the speed of execution increases through parallel processing

CO6: Understand the interconnection structures and synchronization among connected structures in a multiprocessor system

DATABASE MANAGEMENT SYSTEM

CO1: To understand and successfully apply logical database design principles, including e-r diagrams

CO2: To understand the power of relational algebra and calculus and construct simple and moderately advanced database queries using structured query language (sql).

CO3: To understand schema refinement process and how to convert un-normalized data into normalized data.

C04: To become familiar with the basic issue of transaction processing and concurrency control.

CO5: To become familiar with database storage structures and recovery techniques

FORMAL LANGUAGES AND AUTOMATA THEORY

CO1: Able to understand the concept of abstract machines and their power to recognize the languages

CO2: Able to design finite state machines for different regular languages and solving computing problems

C03: Able to understand different types of grammar rules and construction of grammars for different formal languages

C04: Able to understand design of Turing machine and able to distinguish between computable and non-computable languages.

OPERATING SYSTEM

CO1: Understand the structure of OS and basic architectural component involved in OS designCO2:

CO2: Apply the various resource management techniques in OS.

CO3: Able to interpret deadlock detection, prevention and recovery.

CO4: Able to understand synchronization problem & its various techniques to solve it.

CO5: Able to understand security & protection mechanism in operating system