

# COURSE OBJECTIVES AND COURSE OUTCOMES

## T.Y.B.COM. (SEMESTER - V)

### SUBJECT: COMPUTER SYSTEMS AND APPLICATIONS

Sr. No.	Course Objectives	Course Outcomes
1)	To identify the fundamental concept of Data Communication, Networking and Internet	After completing this topic, the student will be able to: <ul style="list-style-type: none"><li>➤ Understand and explain Data Communication System and its components</li><li>➤ Know basic concept of Computer networking</li><li>➤ Identify the different types of network, topologies, media and protocols</li><li>➤ Enumerate the layers of the OSI model and TCP/IP. Explain the function(s) of each layer</li><li>➤ Identify the different types of network devices and their functions within a network</li><li>➤ Understand internet concepts, connections, working and services</li></ul>
2)	To acquaint students with the use of database and MY SQL	Upon completion, students will understand SQL functions, join techniques, database objects and be able to write queries. They will also be able to: <ul style="list-style-type: none"><li>➤ Manage data in relational database management systems (RDBMS)</li><li>➤ Understand basic concepts of how a database stores data via tables</li><li>➤ Understanding syntax and functions.</li><li>➤ Learn how to retrieve and manipulate data from one or more tables</li><li>➤ Know how to filter data based upon simple and multiple conditions.</li><li>➤ Deleting, Updating and inserting data into existing tables</li></ul>
3)	To recommend students with the practical usage and working of MS Excel	Upon completion, students will understand the skills necessary to use pivot tables, audit and analyse worksheet data, utilize data tools, link with other sheets, and create and manage databases in excel sheets. They will be also able to: <ul style="list-style-type: none"><li>➤ Create and edit basic worksheets and workbooks</li><li>➤ Enter text and formulas into an Excel spreadsheet</li><li>➤ Enhance alpha and numeric data in an Excel Worksheet - Move &amp; Copy alpha and numeric data</li><li>➤ Construct formulas to manipulate numeric data in an Excel Worksheet .</li><li>➤ Create a spreadsheet to tabulate and record numeric values</li><li>➤ Make use of financial, mathematical and statistical functions</li></ul>

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## T.Y.B.COM. (SEMESTER - VI)

### SUBJECT: COMPUTER SYSTEMS AND APPLICATIONS

Sr. No.	Course Objectives	Course Outcomes
1)	To explain the basic concepts of E-commerce & to familiarize students with organizational and managerial systems.	After completing this the student will be able to: <ul style="list-style-type: none"><li>➤ Understand the features of e-commerce</li><li>➤ Learn types and models of e-commerce</li><li>➤ Understand the payment system and also working of online transaction</li><li>➤ Be aware of the ethical, social, and security issues of information systems</li></ul>
2)	To recommend the students with the practical usage and working of advanced MS Excel	Upon completion, students will understand skills necessary to work with advance Excel. They will be able to: <ul style="list-style-type: none"><li>➤ Create, use and edit templates</li><li>➤ Create and link multiple spreadsheets</li><li>➤ Construct formulas to manipulate numeric data in an Excel Worksheet</li><li>➤ Make use of lookup, conditional, string, date and statistical functions</li><li>➤ work with different types of charts</li><li>➤ make use of scenario, goal seek and solver</li><li>➤ create, record and manage macros</li></ul>
3)	To familiarize students with the working of graphical user interface -Visual Basic	Upon completion, students will get acquaint to work with graphical user interface and will be able to: <ul style="list-style-type: none"><li>➤ understand VB environment, controls, datatypes, variables, constants and calculation</li><li>➤ Work with decision and conditional statements</li><li>➤ Make use of different loops in program</li><li>➤ Get familiar with sub-procedures and functions</li><li>➤ develop and work with small programs</li></ul>