

Semester : 5

Paper Code : BCA-304

Paper Name: Visual Basic

1. This paper helps the students to learn the various programming and non programming languages used.
2. The basic concepts on operators and operand help them to learn in depth the concepts and encourage the students programming skill
3. Message box, Input box, print statement helps them to understand the userfriendly environment in programming languages
4. Array concepts help them to add more variables by reducing the memory size with various dimension, helps the students to create more programs using VB in an easy way
5. An argument, functions, subroutines helps them to understand the programe and create an useful environment to debug the program in an easy manner.
6. Working with menus, submenus and different forms help them to create application in an attractive way and allows to create software interface and codes in an easy to use graphical environment.

Semester -5

Paper Code –BCA-301

Paper Name- Management Information Systems:

1. The subject aims to provide the students with an in depth knowledge of management information systems.
2. The subject helps to understand the students what is information, types of information, information systems.
3. Framework of MIS helps the students to understand the flow of information in MIS in various levels.
4. Decision support systems help the students to understand how the decisions are made using an MIS.
5. Various applications of MIS and DSS help the students to understand the real life applications of MIS and DSS.

Semester : 5

Paper Code : BCA-305

Paper Name: Visual Basic -Practical

1. The Practical paper helps the students to do simple programs and mini projects using visual Basic
2. Various tools were used in each programs to enhance the technologies and easy understanding
3. Menu, Submenu, Separator helps the students to design attractive pages and minimize the coding effort
4. Various picture tools and image tools with timer helps them to create animation project using coding style
5. Events and procedures helped them to apply various types of events in performing an application.
6. Programs helped them to design an application, write the codings and execute the programme using Visual Basic 6.0
7. This paper help the students to become good programmer in visual Basic.

Semester -5

Paper Code -303

Paper Name- Data communication and networking:

1. The subject intended to teach the students about computer networks.
2. The subject enables the students to understand what computer networks are, how the information flows in a network, and how the information is transferred from sender to receiver.
3. OSI model and TCP/IP model enables the students to understand the flow of information in the networks layer by layer. Different protocols used in both models are helpful to understand the rules for the data transfer in the networks.
4. Detailed study of physical layer helps the students to understand working of physical layer in networks i.e. how the data is converted from high level form to machine understandable form.
5. Detailed working of Data link layer, network layer and transport layer helps to understand the working of the layers in networks.
6. Application layer helps to understand the working of FTP, E-Mail etc.

Semester -5

Paper Code –BCA- 302

Paper Name- Computer Graphics:

1. The subject intended to teach the students about the computer graphics i.e how the images draw on the visual display unit (VDU).
2. Basics of images help the students to understand what an image consists of.
3. Various types of algorithms are used to help the students to understand the differences of the drawing of different, methods.
4. Various types of display devices are studied in details to understand the display devices.
5. Two dimensional and three dimensional graphics helps the students to understand how images are drawn in 2D and 3D .Along with color filling algorithms help them to gain the knowledge of colored images.

Semester -6

Paper Code –BCA-306

Paper Name- E –Commerce:

1. The subject is intended to provide the students with an in depth knowledge of E-Commerce.
2. In the subject the basic overview of E – Commerce is given with the comparison of traditional commerce.
3. Various types of payment systems are taught to make them understand how those systems can be used while shopping through a website.
4. Various types of security issues are also taught to make them understand how they can secure themselves from getting cheated form an online scam.
5. After learning the subject students become familiar with the E-Commerce environment.

Semester -6

Paper Code -308

Paper Name- Artificial Intelligence:

1. This subject enables the students to understand what artificial intelligence is, how Artificial intelligence works and where it is used.
2. Students become familiar with the term artificial intelligence and the related fields to AI.
3. How to define a problem in AI and how to store the production rules in knowledge representation.
4. Various heuristic searching techniques are explained to make them familiar with how AI is used in real life.
5. Natural Language Processing is also explained in details to know the students how can a natural language be used in the computer systems.
6. Detailed Expert Systems are also helpful to understand the daily usage of AI in different fields.
7. After studying the subject the students are able to explain how the networks work in our communication.

Semester : 6

Paper Code : BCA-309

Paper Name : Introduction to .net

1. This paper provides a programming guidelines that can be used to develop a wide range of applications
2. It deals about the concepts on various platforms, Architecture of .net and implementation techniques of .net.
3. The paper also explains C# programming concepts which gives knowledge on various conditional statements, loop statements, arrays , functions, strings which helps the students to understand the Language .
4. Apart from the basic concepts the OO concepts identify the similarities and difference between C# and other programming languages.
5. Concepts on exceptional handling helps the students to understand the debugging concepts in programing and helps them to create programmer in .net environment
6. This paper help the students to improve their programming skill in language C# and in the framework .NET