M.C.A. (3 Years Full Time Course)

Program

The Comprehensive MCA Program provides as insight to the IT industry for the students. The prescribed sylaabus also exposes our students to latest developments in the IT field. The program helps the students to equip themselves as per the relevant requirements of life in IT Companies.

Objectives:

(a) Impart knowledge in core It areas with respects to the current IT Scenario.
(b) Provide an understanding of the real world business problems
(c) Enable students to work in highly competitive national and international business environment.
(d) Assist students in Summer Training in a real time project as well as jobs in various national and international organisations of repute.

PROGRAM STRUCTURE

Code	1ST Sem	Code	2ND Sem	Code	3RD Sem
IT11	Computer Organisation	IT 21	Data Structures Using C/C++	IT 31	Java Programming
IT 12	C Programming	IT 22	Database Management Systems	IT 32	Data Communication and Computer Networks
IT 13	Operating System Concepts	IT 23	Object Oriented Programming Using C++	IT 33	Software Engineering
IT 11	Principles & Practice of Mgmt. & O.B.	IT 21	Communication Skills	BM34	Design and Analysis of Algorithm
BM11	Discrete Mathematical Structures	MT21	Statistical & Numerical Computing	BM31	Management Support System& Is Security
IT12L	C Programming Lab	IT21L	Data Structures Lab	MT31	Java Programming Lab
IT13L	Operating System Lab	IT22L	DBMS LabI	T33L	Software Engineering Lab
Code	4TH Sem	Code	5TH Sem	Code	6TH Sem
IT 41	Web Technology	IT 51	Artificial Intelligence	IT 61P	Project & viva Voce
IT 42	Cryptography & Network Security	IT52	Mobile Communications	IT61S	Seminar
MT41	Optimization Techniques	IT 53	Engineering Trends in Information Technology		
MT41	Optimization Techniques	IT 54	NET Programming		
BME1	BM Elective	ITE1	IT Elwctivee		
IT41L	Web Technology Lab	IT51L	AI Lab		
IT4P	Mini Project	IT54L	NET Lab		
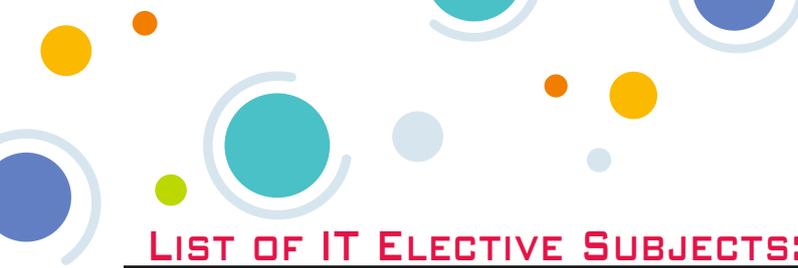
LIST OF IT ELECTIVE SUBJECTS:

Cyber Law and IT Security
Principles of Programming Language
Advance Unix
Mobile Computing
Distributed Database Systems
Wireless Networks (802.11)
Visual Programming.

LIST OF BM ELECTIVE SUBJECTS:

Managerial Economics
MIS Framework and Implementation
Information System Audit & Governance
Collaborative Management
Decision Support System
Enterprise Resource Planning (ERP)

PROJECT REPORT

Students are required to prepare project report in accordance with the inplant training undertaken during summer placement, which will carry 50 marks. The students will have to submit the project report along with the examination form of VIth semester.

VIVA VOCE

A board of two examiners will conduct the viva voce, at the end of M.C.A. final semester examination, pertaining to project report and it will carry 50 marks.

EXAMINATION

Examination will be conducted by the B.R.A Bihar University at the end of each semester. The university will conduct examination of 75 marks in each subject and the Faculty member of the concerned subject shall award 25 marks on the basis of attendance, class performance, personality assessment etc. of the students. All the examination related to Lab in each semester will be of 75 marks (25 Marks to be awarded by the concerned faculty & 50 marks examination conducted by the University.

However it is essential for all the students to attend a minimum 75% of classes, failing which the management may take suitable action as deemen fit.