



# KARPAGAM ACADEMY OF HIGHER EDUCATION

(Deemed to be University)

(Established Under Section 3 of UGC Act, 1956)

Pollachi Main Road, Eachanari Post, Coimbatore - 641 021, Tamilnadu, India.

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## BOARD OF STUDIES 2016-2017

Minutes of the Meeting of Board of Studies in Computer Application held on 02.04.16

### Members Present:

1. Mr.D.Sathya Srinivas
2. Dr.X.Agnies Kalarani
3. Dr.K.Thilagam
4. Dr.S.Sheerja
5. Mrs.G.Anitha

### EXTERNAL MEMBERS

6. Dr.A.ArunKumar Thangavel, Professor, School of Computer Science and Engineering, Vellore Institute Of Technology(Deemed University) Vellore.

Phone No:9994626191,email\_id:arunkumar.thangavelu@gmail.com.

7. Mr.D.Balamurugan,Senior Project Manager, Polaris 34,IT HighWay,Chennai\_603103,

Phone No:9842857772,9840857772, email\_id:balapm2011@gmailcom.

### ALUMINI

8. Mr.V.Sanjith Kumar, Senior Software Engineer, Access Design Solution Pvt.Ltd,#3792,13th Cross, Banasankari 2nd Stage,Bangaluru\_560 082.

### STUDENT REPRESENTATIVES

9. Mr.S.Deepak(14LCAP002),III MCA
10. Ms.S.Srinithi(13CAU043),III BCA



The Chairperson welcomed the members of the Board. The Board carefully scrutinized the draft syllabus/syllabi and after detailed discussion the following resolutions were passed.

**Agenda 1:**

1. To consider and approve the Regulations of the Syllabus for the following UG Programmes
  - i. BCA

**Resolution 1:**

1. Resolved to approve the regulations and syllabus for the following UG Programme and it comes into effect from 2016 to 2017 (Approved regulations and syllabus given Annexure-I.
  - i. BCA

**Agenda 2:**

1. To consider and approve the Regulations of the Syllabus for the following PG Programmes
  - i. MCA

**Resolution 2:**

1. Resolved to approve the regulations and syllabus for the following PG Programme and it comes into effect from 2016 to 2017 (Approved regulations and syllabus given Annexure-II.
  - i. MCA

**BCA Degree Programme:**

The following changes have been made:

**Semester-I :**

The content of Language I course may be revised.

The following courses may be removed from the syllabus

- English-1
- Fundamentals of Computer and Programming in C



- Programming in C Lab
- Allied - 1 : Digital Electronics
- Allied - 1 : Practical - Digital Electronics Lab
- Foundation Course - A (Value Education)
- Soft Skill Development -I

The following courses may be added.

- Programming Fundamentals using C / C++
- Computer System Architecture
- Introduction to Information Technology
- Programming Fundamentals using C / C++ (Practical)
- Computer System Architecture (Practical)
- Introduction to Information Technology (Practical)

## **Semester-II:**

The content of Language II course may be revised.

The following courses may be removed from the syllabus.

- Object Oriented Programming with C++
- Object Oriented Programming with C++ Lab
- Statistical Methods
- Basic Accounting
- Statistical Methods Lab
- Tally Lab
- Soft Skill Development -I

The following courses may be added.



- Discrete Structures
- Discrete Structures (Practical)

### **Semester III:**

The content of the Datastructures and algorithms may be revised and the course name may be renamed as Datastructures.

The operating system course content may be revised.

The following courses may be removed.

- English-3
- Relational Database Management Systems
- Relational Database Management Systems Lab
- Numerical Methods
- Ethical Hacking
- MongoDB
- Soft Skill Development -II

The following courses may be added.

- Computer Networks
- Android Programming
- Struts Framework
- Data Structures (Practical)
- Operating Systems (Practical)
- Computer Networks (Practical)
- Android Programming (Practical)
- Struts Framework (Practical)



## **Semester IV:**

The following courses may be removed from the syllabus.

- English – 4
- Programming in VB.NET
- Programming in VB.NET Lab
- Electronic Communication Systems
- Operation Research
- Banking Practices
- Soft Skill Development –II

The following courses may be added.

- Database Management Systems
- Web Programming
- R Programming
- Database Management Systems (Practical)
- Web Programming (Practical)
- R Programming (Practical)
- Software Testing (Practical)
- Software Engineering (Practical)

## **Semester V**

The content of Programming in Java Theory and lab courses may be revised and moved to Semester II.

The cloud computing course content may be revised and moved to Semester VI.

The following courses may be removed.

- Data Communication Networks



- Computer Graphics and Animation
- Enterprise Information Technologies
- E-Commerce

The following courses may be added.

- Oracle (SQL/PL-SQL )
- Programming in Python
- Information Security
- Data Mining
- Microprocessor
- Digital Image Processing
- Oracle (SQL/PL-SQL ) Practical
- Programming in Python Practical
- Information Security Practical
- Data Mining Practical
- Microprocessor Practical
- Digital Image Processing Practical
- Open Source Technologies Practical

### **Semester VI :**

The content of Software Engineering and Software Testing courses may be revised and moved to Semester IV.

The Script Language Theory and Lab courses may be moved to Semester II.

The following courses may be removed from the syllabus.

- Object Oriented Analysis and Design
- Multimedia Systems



- Advanced Java Programming
- Advanced Networking
- Distributed Database Management System
- Advanced Operating System

The following courses may be added.

- PHP Programming
- Unix / Linux Programming
- Database Administration
- System Programming
- PHP Programming (Practical)
- Unix / Linux Programming (Practical)
- Cloud Computing (Practical)
- Database Administration (Practical)
- Big Data Analytics (Practical)
- System Programming (Practical)

The UG programme, BCA consists of 65 courses in which 49 are new courses and there is a syllabi changes in 8 courses. The total change is 85 %

### **MCA Degree Programme:**

The following changes have been made:

#### **Semester I:**

The course Software Engineering has been removed.

The following Courses has been added:



- Information Technology
- Information Technology Lab
- Introduction to management function
- Tally lab

### **Semester II:**

The following subject has been removed.

- Visual Programming
- Computer Graphics
- Operation Research
- Visual Programming Lab

The following Courses has been added:

Information system Analysis, Design and Implementation

Probability and Combination

### **Semester III:**

The following subject has been removed.

- Agent Technology
- Client Server Techniques
- Introduction to software Architecture
- Web technology
- Multimedia using Flash
- Mobile Operating System
- Web Technology lab

The following Courses has been added:



- Statistical Computing
- Management Support System

#### **Semester IV:**

The following subject has been removed:

- Data Structures and Algorithms
- Wireless Application Protocol
- Ad Hoc and Sensor Networks

The following Courses has been added:

- Organization behavior
- Managerial Economics

#### **Semester V:**

The following subject has been removed:

- Cloud Computing
- Wireless Communication System
- ATM Networks
- Communication Lab

The following Courses has been added:

- Optimization Technique
- Cooperate Planning
- MIS Framework
- MIS Framework lab
- Taxation Practices



The PG programme, MCA consists of 66 courses in which 15 are new courses and there is a syllabi changes in 9 courses. The total change is 33 %

**Remarks:**

Substantial changes in the content have been brought in all the BCA and MCA courses in consonance with changes taking to the respective field and fact. These courses are tantamount to new courses. All the courses in all programmes focus on employability, entrepreneurship and skill development.



CHAIR PERSON.

Head of the Department  
Department of Computer Application  
Faculty of Arts, Science and Humanities  
Karpagam Academy of Higher Education  
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**REGISTRAR**

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