KARPAGAM ACADEMY OF HIGHER EDUCATION
COIMBATORE – 641 021

Minutes of the meeting of the Board of Studies in Computer Science held on 18.4.2015 at 10.00 am / ~~pm in~~ the Department of Computer Science at Karpagam Academy of Higher Education.

Members Present:

1. Dr.S.Veni   **Chairperson**

Professor & Head,

Department of Computer Science,

Karpagam Academy of Higher Education

Coimbatore – 641 021.

2. Dr.M.Hemalatha,   **Member(Internal)**

Associate Professor,

Department of Computer Science,

Karpagam Academy of Higher Education

Coimbatore- 641021.

3. Dr.T.Sumadhi,   **Member(Internal)**

Associate Professor,

Department of Computer Science,

Karpagam Academy of Higher Education

Coimbatore- 641021.

4. Dr.S.Manju Priya,   **Member(Internal)**

Assistant Professor,

Department of Computer Science,

Karpagam Academy of Higher Education

Coimbatore- 641021.

5. K.Banuroopa   **Member(Internal)**

Assistant Professor,

Department of Computer Science,

Karpagam Academy of Higher Education

Coimbatore- 641021.

6. Dr.V.Palanisamy   **Member (External)**

Prof. & Head,

Department of Computer Science,

Alagappa University

Karaikudi

7. Shoban Babu   **Alumni**

Software Engineer,

CTS Technology,

Keeranatham, Coimbatore

Mob: 8608996525

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 and Syllabus for B.Sc Computer Science UG programme.

Resolution: 1

1. Resolved to approve the Regulations and Syllabus for following B.Sc Computer Science UG programme and it comes into effect from 2015-16 (Approved Regulations and Syllabus given in Annexure-I).

Agenda: 2

1. To consider and approve the Regulations and Syllabus for M.Sc Computer Science PG programme.

Resolution: 2

1. Resolved to approve the Regulations and Syllabus for M.Sc (CS) PG programme and it comes into effect from 2015-16 (Approved Regulations and Syllabus given in Annexure-II).

Agenda: 3

To consider and approve the Regulations and Syllabus for M.Phil and Ph.D programme in Computer Science

Resolution: 3

Resolved to approve the Regulations and Syllabus for M.Phil and Ph.D programme in Computer science

and it comes into effect from 2015-16 (Approved Regulations and Syllabus given in Annexure).

The meeting came to an end with a vote of thanks by the chair.

BSc [Computer Science]

The following changes have been made:

❖ Fundamental of computers has been included in C programming course and course name has been changed to Computer Fundamentals and Programming in C.

❖ Digital Electronics and Computer System Architecture is replaced by Digital Electronics course in semester I.

❖ Value Education and Healthy Practices is replaced by Foundation Course-A (Value Education) course in semester I.

1. Soft skill development course is included in semester I to IV.

❖ Environmental Studies course is replaced by Foundation Course-B (Environmental Studies) in semester II.

❖ Data Structures is replaced by Data Structures and Algorithms course in semester III.

The following **new courses** have been introduced:

Allied-I Electives:

1. Embedded System
2. PC - Hardware & Trouble shooting
3. Microprocessor and its Applications

Allied-I Electives Lab

1. Embedded System Lab
2. PC - Hardware & Trouble shooting Lab
3. Microprocessor Lab

Allied-II Electives:

1. Operation Research
2. Probability & Statistics
3. Discrete Mathematics

Core Electives I:

1. Computer Design
2. System Software
3. Artificial Intelligence

Core Electives II:

1. Data mining and Warehousing
2. Big Data
3. Cloud Computing

Core Electives III:

1. Open Source Software
2. Cyber Security
3. Client Server Technology

Open Elective:

1. E-Learning

Additional courses:

1. Advanced Java Programming
2. Advanced Networking

❖ Mobile Communications and soft computing courses were introduced for Honors programme.

The UG programme B. Sc., Computer Science consists of 40 courses in which 18 are **new courses** and in 5 courses changes have been made. The overall change is 45 %.

M.Sc(Computer Science)

The following changes have been made:

➢ In Cloud Computing course, a new topic "Open Source Product" is included in Unit V.
➢ Entire content of the Cyber Security course has been changed.
➢ ASP.NET is included in Web Technology course.
➢ Following topics are included in Cryptography and Network Security course.
    ✓ Modular arithmetic and Euclidian algorithm in Unit II
    ✓ Discrete logarithm in Unit III
➢ 2 hours has been allotted for seminar presentation is all three semesters.

The Following **new courses** have been introduced.

1. Grid computing
2. Geographical Information System
3. Distributed Database Management System
4. Wireless Application Protocol
5. WAN Technologies

➢ Multimedia and its Applications have been added as **new course** for Open Elective.

The PG programme, M.Sc., Computer Science consists of 21 courses in which 5 are new courses and there is a syllabi change in 7 courses. The total change is 33 %.

M.Phil / Ph.D (Computer Science)

➢ Cloud Computing course is added as a new core elective.

The M.Phil / Ph.D (Computer Science) programme consists of 12 courses during 2015-2015. Now three special papers have been removed. The number of courses in the present year will be 9. The total change is 25 %.

Remarks:

Substantial changes in the content have been brought in **BSc [Computer Science] and M.Sc(Computer Science)** in consonance with changes taking to the respective field and in 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 Science
Faculty of Arts, Science and Humanities
Karpagam Academy of Higher Education
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REGISTRAR
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