

**KARPAGAM ACADEMY OF HIGHER EDUCATION
COIMBATORE – 641 021**

Minutes of the meeting of the Board of Studies in Computer Science held on 26.3.16 at 10.00 am / pm in the Department of Computer Science, at Karpagam Academy of Higher Education.

Members Present:

1. Dr.S.Veni

Professor & Head,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore – 641 021.

Chairperson

2. Dr.S.Manju Priya,

Assistant Professor,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore- 641021.

Member(Internal)

3. D.Sampath Kumar

Associate Professor,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore- 641021.

Member(Internal)

4. K.Banuroopa

Assistant Professor,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore- 641021.

Member(Internal)

5. M.MohanKumar

Assistant Professor,
Department of Computer Science,
Karpagam Academy of Higher Education
Coimbatore- 641021.

Member(Internal)

6. Dr.V.Palanisamy

Prof. & Head,
Department of Computer Science,
Alagappa University
Karaikudi

Member (External)

7.Mr.Felix

Project Manager

CG-VAK,

Mettupalayam Road,

Coimbatore

Mobile: 9894024729

E-Mail: felix@cgvakindia.com, psfelix@gmail.com

Member (Industry)

8. Reuben A.S

Software Engineer,

Wipro Limited

Bangalore

Mob: 8904740426

E-Mail: reuben.as3@wipro.com

Member(alumini)

9. Mounica.S (13CSU071)

III B.Sc(Computer Science)- B

Karpagam Academy of Higher Education

Coimbatore – 641021

Mobile : 9750898788

E-Mail:

Student Representative – UG

10. Gayathri .K (14CSP003)

II M.Sc(Computer Science)

Karpagam Academy of Higher Education

Coimbatore – 641021

Mobile : 9715284187

Student Representative – PG

E-Mail: gayathridhaya@gmail.com

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.

1. Resolved to approve the Regulations and Syllabus for following UG programme and it comes into effect from 2016-17 (Approved Regulations and Syllabus given in Annexure-I)

i) B.Sc (IT) ii) B.Sc (CT)

B.Sc Information Technology

The following changes have been made taking employability, entrepreneurship and skill development in to consideration.

- English II has been replaced as English.
- Environmental Studies has been moved from Semester II to Semester I.
- Data structures and Algorithms has been replaced as Data Structures.
- Numerical methods have been moved from Semester III to Semester VI.
- Java Programming and Java Programming Lab has been moved from Semester IV to Semester II.
- Discrete Mathematics has been moved from Semester IV to Semester II.
- The content of syllabus in Computer Networks is to be revamp and it is moved to Semester IV from V.
- The content of syllabus in Software Engineering is to be revamp, the topic performing User Interface Design has been removed and Risk & Quality Management has to be added.
- The entire content of the unit in Operating System has been changed.
- Following courses has been removed from the Syllabus
 - English -I, English -III
 - Soft Skill Development -I, Soft Skill Development -II
 - Core
 - Problem solving using C
 - Object Oriented Programming with C++
 - Web Technology
 - Oracle 10g Administration
 - Big Data Analytics
 - Intranet Technology
 - Artificial Intelligence & Expert Systems
 - Core Lab
 - C Programming Lab
 - C++ Programming Lab
 - Allied
 - Digital Electronics
 - Allied Elective I
 - Embedded systems
 - PC Hardware and troubleshooting
 - Microprocessor and its Applications
 - Allied Elective II
 - Operations Research
- Parallel Programming
- Agile Software Development
- Information Security
- Wireless and Mobile Computing
- Mobile Application Development
- Advanced Computing Techniques
- Digital Electronics Lab
- Embedded system lab
- PC Hardware and Troubleshooting lab
- Microprocessor and its Applications lab

- Statistical Methods

The following new courses have been introduced considering the local and global needs.

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|---|---|
| ○ Programming Fundamentals using C / C++ | ○ Programming with Visual Basic - Practical |
| ○ Computer System Architecture | ○ Internet Technologies _ Practical |
| ○ Developing Programming Logic and Techniques | ○ XML Programming - Practical |
| ○ Programming Fundamentals using C / C++ -Practical | ○ Computer Graphics |
| ○ Computer System Architecture - Practical | ○ Software Testing |
| ○ Office Automation - Practical | ○ Network Programming |
| ○ Fundamentals of Web Designing and Internet | ○ Machine Learning |
| ○ Discrete Structures - Practical | ○ Digital Image Processing |
| ○ Web Designing – Practical | ○ Computer Graphics - Practical |
| ○ Android Programming | ○ Software Testing - Practical |
| ○ Programming in MATLAB | ○ Network Programming -Practical |
| ○ Data Structures – Practical | ○ Machine Learning - Practical |
| ○ Operating Systems – Practical | ○ Digital Image Processing - Practical |
| ○ Android Programming – Practical | ○ PHP Programming |
| ○ Programming in MATLAB – Practical | ○ Unix / Linux Programming |
| ○ Programming with Visual Basic | ○ E-Commerce Technologies |
| ○ Internet Technologies | ○ Cloud Computing |
| ○ XML Programming | ○ System Programming |
| | ○ PHP Programming - Practical |
| | ○ Unix / Linux Programming - Practical |
| | ○ E-Commerce Technologies -Practical |
| | ○ Cloud Computing – Practical |
| | ○ Numerical Methods - Practical |
| | ○ System Programming - Practical |

The UG programme B.Sc IT consists of 65 courses in which 42 are new courses and the changes has been made in all the remaining 23 courses. The overall change is approximately 81 % .

B.Sc Computer Technology

The following changes have been made taking employability, entrepreneurship and skill development in to consideration.

- English II has been replaced as English.
- Environmental Studies has been moved from Semester II to Semester I.
- Algorithm analysis and data structure has been replaced as Data Structures.
- The content of the operating systems has been changed in the syllabus.

- .NET programming has been moved semester IV to semester V.
- VB.NET programming lab has been moved from semester IV to semester V.
- Advanced java programming with change of content has ben moved from semester V to semester II.
- Internetworking with TCP/IP has been moved from semester V to semester IV.
- Network Security has been renamed as Cryptography and Network Security and Moved to semester V from semesterVI.
- Following courses has been removed from the Syllabus
 - English -I, English -III
 - Soft Skill Development -I, Soft Skill Development -II
 - Core
 - Problem solving using C
 - Object Oriented Programming with C++
 - Relational database management system
 - Animation Techniques
 - Spatial Databases
 - Ethical Hacking
 - Web Technology
 - Virtual Reality and Virtual Environment
 - Core Lab
 - C Programming Lab
 - C++ Programming Lab
 - RDBMS and Data structures Lab
 - OS and Network Lab
 - Allied
 - Digital Electronics
 - Numerical methods
 - Allied Elective I
 - Embedded systems
 - PC Hardware and troubleshooting
 - Microprocessor and its Applications
 - Allied Elective II
 - Operations Research
 - Statistical Methods
 - Discrete Mathematics
- Satellite Communications
- Geographical Information System
- Real Time System Design
- Cloud computing
- Mobile Application Development
- Object Oriented Software Engineering
- Open source tools

- Digital Electronics Lab

-Embedded system lab

-PC Hardware and Troubleshooting lab

-Microprocessor and its Applications lab

Open Elective:

Intranet Technology

The following new courses have been introduced based on the local and global needs.

- Programming Fundamentals using C/C++
- Computer System Architecture
- Developing Programming Logic and Techniques
- Programming Fundamentals using C / C++ -Practical
- Computer System Architecture - Practical
- Office Automation - Practical
- Discrete Structures
- Database Programming with Oracle(SQL and PL/SQL)
- Discrete Structures - Practical
- Database Programming with Oracle(SQL and PL/SQL) – Practical
- Programming with Visual Basic
- Computer Networks
- Android Programming
- Programming in MATLAB
- Programming with Visual Basic – Practical
- Computer Networks – Practical
- Android Programming – Practical
- Programming in MATLAB – Practical
- Software Engineering
- HTML Programming
- XML Programming
- Software Engineering - Practical
- HTML Programming - Practical
- XML Programming - Practical
- Software Testing
- Network Programming
- Introduction to Data Science
- Data Mining
- Digital Image Processing
- Multimedia and its Applications
- Cryptography and Network Security - Practical
- Software Testing - Practical
- Network Programming - Practical
- Introduction to Data Science - Practical
- Data Mining - Practical
- Digital Image Processing - Practical
- Multimedia and its Applications - Practical
- PHP Programming
- Unix / Linux Programming
- E-Commerce Technologies
- Cloud Computing
- Soft Computing
- System Programming
- PHP Programming - Practical
- Unix / Linux Programming - Practical
- E-Commerce Technologies - Practical
- Cloud Computing - Practical
- Soft Computing - Practical
- System Programming - Practical

The UG programme B.Sc CT consists of 65 courses in which 49 are new courses and the changes has been made in all the remaining 16 courses. The overall change is approximately 85 % .

Remarks:

Substantial changes in the content have been brought in both B.Sc IT and B.Sc CT program courses in consonance with changes taking to the respective field and in fact. These courses are tantamount to new courses.



CHAIR PERSON

Head of the Department
Department of Computer Science
Faculty of Arts, Science and Humanities
Karpagam Academy of Higher Education
Coimbatore - 641 021, Tamil Nadu.



REGISTRAR
Karpagam Academy of Higher Education
(Deemed to be University Under Section 3 of UGC Act 1956)
Poilachi Main Road, Eachanari Post,
Coimbatore - 641 021.