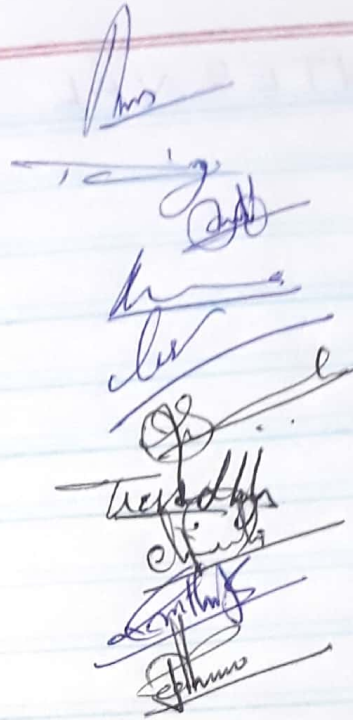


Minutes of the Board of Studies in Computer Science 2018-2019

SACRED HEART COLLEGE KOCHI

1. REBITHA BALJU
2. Fr. Nijo Antony
3. Sandesh kumar k P
4. Achamma Cherian
5. JISHA SOMAN
6. Shailesh - S
7. TRESSA SHYBE
8. Christy Jacqueline
9. Neethu A-S
10. Neethu Thomas

A vertical column of handwritten signatures and scribbles, each corresponding to one of the ten names in the list to the left. The signatures are written in blue ink and vary in style, some being more legible than others.

The internal Bos Meeting was started with silent prayer on 05.07.18 in the dept. HOD, Regitha Baijn has given welcome to every Bos members.

HOD has told the ~~very~~ importance of revision of syllabus of BSC CA. The syllabus revision should be implemented in the 2020 admission students. She has given the overall idea about the syllabus revision of Computer Science papers. The following ideas were suggestions are developed in the discussion.

1. The importance of python which should be introduced in the 1st semester of BSC CA. 'Programming in C' was removed.
2. Give the 1st module of FDS has to be given as bridge course to 1st years.
3. Merge the portions of FDS and Microprocessor.

4. Introduce a new course 'Programming in Python'.
5. Shifted 'Operating System' from 6th sem. to 2nd sem.
6. Removed 1st module and added 'Introduction to trees and graphs in 'Data Structure using C'.
7. Removed 1st module and added "Introduction to Trees and Graphs"
8. Removed congestion control and added 'Internet of Things' in 'Data Communications and Computer Networks'.
9. No change in 'Object oriented programming in C++'.
10. Introduced a new course 'Software Engineering' and removed 'System Analysis and Design'.
11. Remove some CSS3 and HTML5 methods, merge 1st and 2nd modules as 1st module, and added 'JavaScript programming' as 2nd module.
12. Removed 'Association rules of Data Warehouse' and added 'Basic concepts of Bigdata and Hadoop'.
13. Removed 4th and 5th modules and added package, interface, swing and JDBC in detail.
14. No change in open course.
15. Introduced a new course 'Computer Graphics' in semester 5.
16. Introduced a new course 'Artificial Intelligence' in semester 6 as elective.
17. Introduced a new course 'Linux Operating System' as 2nd elective in semester 6.
18. Changed a project team as maximum two members.

REVIEW OF BOS FOR BCA SYLLABUS

1. Shuffle the modules 2 and 3 in programming in C.
2. Removed some unimportant topics and added combinational circuits, sequential circuits, flipflops, JK, D and T Flip Flop.
3. Added Network Devices in module 5 in Computer Fundamentals and computer organisation.
4. In programming in Java, added AWT packages.
5. Removed 'Introduction to Relational Data Base' from first module to second module and added 'ER Diagram to Relations'.
6. Removed the entire module of second and added 'Cloud Infrastructure Mechanisms and Specialised cloud Mechanisms'.
7. Removed the entire 3rd module and topics from 'Different cloud Architectures'.
8. Removed the entire fourth module except 'API logging and Auditing' and added 'Fundamentals of cloud Security'.
9. Renamed 'Mobile web and Apps on Development' and added Javascript and jquery and introduction to PHP.
10. Changed from 'Windows server 2008' to 'Windows server 2018'.
11. Removed the entire existing syllabus of 2nd module and added the 'cloud Data Center Network Technologies and Data Center Networking Standards'.
12. Removed the entire existing syllabus of fifth module of 'Fundamentals of Data Centre' and added 'Software Defined Networking'.

The meeting came to an end by 1 pm.

1. DR. B. KANNAN B. Kannan

2. MR. K. J. SUDHEVAN

K. J. Sudhevan
7/7/18

3. MR. SREENARAYAN

4. Ms. REGITHA BAIJU

5. Ms. TRESSA SHYBE

Tressa Shybe

6. Ms. ACHAMMA CHERIAN

7. Ms. JISHA SOMAN

Jisha Soman

8. Mr. SHAILESH S

Shailesh S

9. Mr. SANTHOSH KUMAR K P

Santhosh K P

10. Ms. CHRISTY JAQUELINE

11. Ms. NEETHU . A . S

Neethu A S

12. Ms. NEETHU THOMAS

Neethu Thomas

07-07-18

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EXTERNAL BOS MEETING MINUTES - 2018

The external Bos meeting of dept. of Computer science was held on 07-07-2018. The programme was started with a silent prayer. The review has helped to develop and maintain high quality standards to improve the curriculums and syllabus.

Review from the Bos meeting for BSC CA

1. SEMESTER 1

- a. 1st module of FDS as bridge course
- b. Merge the modules of FDS and 'Microprocessor and computer organisation'.
- c. Introduced new course 'Programming in Python' and also introduce the practical paper of 'programming in python'.

2. SEMESTER 2

- a. Shifted the course 'Operating system' from 6th module to 2nd module.
- b. Removed the 1st module and added 'Basics of C' and added 'Introduction to Trees and Graphs' in 'Data Structure Using C'.
- c. Added the programs of 'Trees and graphs' in data structure using 'C'.

3. SEMESTER 3

- a. In Data Communication and Computer Networks, removed the topic, 'Congestion control'.
- b. Added 'Internet of things (IOT)'.

- c. There is no change in the course "Object Oriented programming in C++".
- d. Introduced a new course, Software Engineering.

4. SEMESTER 4:

- a. From 'Advanced web Technology', removed some CSS3 and HTML5 methods.
- b. Merge 1st and 2nd modules as 1st module and add 'Javascript programming' as 2nd module in 'Advanced web Technology'.
- c. In Database Management System, removed 'Association rules of Data warehouse'. Added the 'basic concepts of 'Big data and Hadoop'.
- d. In practical of AWD, Javascript programs are added.

5. SEMESTER 5:

- a. The course 'Java Programming and Dynamic Web page Design', is changed as 'Programming in Java'.
- b. Removed 4th and 5th modules and added package, interface, Swing and JDBC in detail.
- c. Open course 'Internet, web Designing and Cyber laws' has no change.
- d. Added programs in package, interface, swing and JDBC in Programming in Java practical.

SEMESTER 6:

- a. Introduced a new course 'Computer Graphics' in 6th semester.

- b. An elective paper 'Artificial Intelligence' is added in Semester 6.
- c. Another elective paper 'Linux Operating Systems' is added in Semester 6.
- d. A team of maximum members are allowed to do project.

The programme came to an end by 1 pm.

Review from BOS Meeting for BCA

Semester 1 :

- a. Programming in C :
Removed control structures constructs from module 3 and added to second module.
- b. Computer fundamentals and organisation :
Removed basics of computer and added combinatorial circuits, sequential circuits, Flip flops, JK, D and T flipflop counters.
Removed module 4 and revised with instructions set, addressing modes and formats.
Added 'Network Devices' in module 5.

- a. Introduction to Linux :
Added nano editor and its commands.

Semester 3:

- a. Programming in Java :
Added AWT and SWING packages - containers and component classes.

B
 RDMS:
 Removed 'Introduction to Relational Database'.
 Added 'Converting ER Diagram to Relations' and
 Relational constraints.

Semester 4:
 Introduction to Cloud Technology:

Removed second module and added Cloud
 infrastructure, mechanisms and specialising
 cloud mechanisms.

Removed third module and added Different
 cloud architecture.

Removed the fourth module and added
 'Fundamentals of Cloud Security'.

Removed the entire fifth module and
 added cloud providers, study of open stack
 and AWS clouds and case studies.

Mobile Web and Applications Development:

Added Introduction to the Internet, Introduction
 to HTML/XHTML, introduction to style sheet
 and frameworks cascading style sheets.

Semester 5:

a. Server Operating Systems:

changed from Windows Server 2008 to
 Windows Server 2016.

Added networking features: DNS, DHCP,
 Hyper-V and Nano Server.

Added RHEL-7 installation configuration
 in module 3.


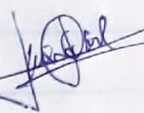

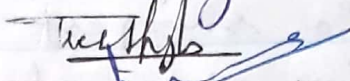





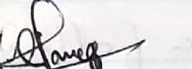

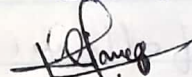
Added configuration of ftp server, web
 server, dns server, ssh, pop3, IMAP.

b. Fundamentals of Data Centre:

Remove the entire existing syllabus of

Added 'Server Virtualization and Networking'.
Removed existing syllabus from fourth module and added "Storage Networks".
Removed entire existing syllabus from fifth module and added "Software defined Networking".

The programme came to an end by 1pm.

1. REGITHA BAIJU (CHAIRMAN) 
2. REV. DR. JAISON MULARICKAL (NOMINEE BY AG) 
3. REV. FR. NIJO ANTONY 
4. TRESSA SHYBE 
5. ACHAMMA CHERIAN 
6. JISHA SOMAN 
7. RENSI K. RANJITH 
8. CHRISTY JACQUELINE 
9. SHAIKESH SIVAN 
10. SANTHOSH KUMAR 
11. NEETHU A.S 
12. MAXON (ALUMI) 

B

The external BOS meeting was held on 15th march 2019. The meeting was started with silent prayers.

Rev. Dr. Jaison Mularickal (Nominee by AC), Regitha Baiju (Head of the department) and all the faculty members of the dept. participated in the meeting. The head then presented the revisions made in the syllabus of Bsc Computer Appln. Christy Jacqueline, faculty of BCA presented the revisions made in the syllabus of BCA. The syllabus revisions will be implemented for 2019-2022 admission students.

Discussions

The following suggestions made by Rev. Dr. Jaison about the revisions in the Bsc Computer Appln and BCA syllabus.

1. To simplify the syllabus of BSc Computer Appln.
2. To suggest to include cooling techniques and infinity based algorithms in Data Centre.
3. To suggest to include practical sessions for open stack.
4. To suggest to include Hadoop + Map Reduce in cloud computing.
5. To discuss to start add-on courses on Python, AI, Deep Learning, R language and Machine Learning.

The following are the discussions regarding NBA accreditation -

1. Suggest to include vision and mission and course come in the Computer Lab and class room.
2. Suggest to display the course outcome and the program outcome in the corresponding lab sessions.
3. Suggest to introduce course outcome in the hand book.
4. Suggest to implement Bloom's taxonomy and learning outcome in framing questions in the question bank.
5. Discuss the possibility of changing the question paper pattern with the consent of the University.
6. Discuss on mapping of programme outcome and course outcome.
7. Discuss on Gap analysis.
8. Suggest to have a reference to the

AICTE examination reforms.

Suggest to give focus on Data science in the syllabus of BSECA.

Maxon, alumnus working at VST Global have suggested to include python and cloud based technology as add-on courses.

At the end of the session, BOS has given approval on the curriculum and syllabus of new add-on courses on programming in Python and Basic Android. Both courses have 2 credits with 3 hours / week. These 2 courses are conducted during 3.30pm - 4.30pm.

The meeting ~~came~~ to end by 12.30pm.

