DEPARTMENT OF COMPUTER SCIENCE

SACRED HEART COLLEGE, THEVARA (AUTONOMOUS)

Minutes of First Meeting of Internal BoS – 28.10.2014

Members Present

1. Regitha M R
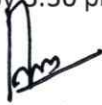2. Tressa Shybe
3. Achamma Cherian
4. Rensi K. Ranjith

The first meeting of internal BoS was held on 28.10.2014 at 2 pm in the Department. All teachers were present in the meeting. The meeting started with a silent prayer. HoD has given welcome to all the members of internal BoS. She expressed confidence that the dept. could accept future challenges regarding syllabus revision.

HoD informed that CBCSS system for UG programme will be introduced in the new curriculum. Activities for promoting the competence and entrepreneurial skills of students, thus equipping them for a career were also discussed for inclusion in the new syllabus. It was decided to introduce topics that would address issues like gender, environment and sustainability human values, and professional ethics.

HoD explained that three papers completely would be changed out of the 13 computer theory papers and two practical papers would be completely changed out of five papers. In theory papers the change planned would be for only one module.

The meeting discussed about the objectives and outcomes of all computer papers. HoD enforced all course teachers should take responsibility to complete the soft copy of their papers. The internal components like club activity, outreach, extension programmes and internship of students should be considered in each semester.

and assured to take the print out of the syllabus and submit before the internal BoS. The meeting came to an end by 3.30 pm after tea.

Regiths. M.R
Chairman
Board of Studies

Dr. Johnson X Palackappiiiii
Principal
Sacred Heart College (Autonomous)
Thevara, Kochi-682 013

DEPARTMENT OF COMPUTER SCIENCE

SACRED HEART COLLEGE, THEVARA (AUTONOMOUS)

Minutes of First Meeting of External BoS – 01.11.2014

Members Present

1. Dr. Varghese Paul
2. Dr. Gopalakrishnan J. Prasant
3. Mr. M.B. Santhosh Kumar
4. Mr. Rahul R.
5. Mr. K. J. Sudevan
6. Ms. Regitha M R
7. Ms. Achamma Cherian
8. Ms. Tressa Shybe
9. Ms. Rensi K. Ranjith

After the general gathering of external BoS the Departmental gathering of BoS was held on 01.11.2014 at 11.15 am in Room No. 104. The following external members of BoS were present in that meeting.

1. R. Varghese Paul, Reader, Dept. of IT, CUSAT (University Nominee)
2. Mr. M B Santhoshkumar, HoD & Asso. Prof. Dept. of IT, CUSAT.
3. Dr. Gopalakrishnan J Prakash, Manager, Global Resource. UST Global, Kochi
4. Mr. Sudevan K J, Centre Head, IIJT Ltd, Kochi (Nominee by Academic Council)
5. Mr. Rahul R, Data Analyst, Oracle India Pvt Ltd. (Meritorious Alumnus)

The following internal BoS members were also present:

1. Regitha M R, HoD
2. Achamma Cherian
3. Tressa Shybe
4. Rensi K. Ranjith

The following external BoS members were not present:

1. Dr. B. Kannan, Chairman Bos
2. Mr. Sabu M K, Principal's Nominee

The following internal member of BoS was not present

1. Ms. Jisha Soman

Agenda: -

1. To consider the course structure and syllabus for the 2015-16 admission batch.
2. To discuss about the components of internals for the batch 2015-16
3. To discuss about new value-added courses.

The convener of BoS, Ms. Regitha M R has given a warm welcome to all the members of the BoS. She presented a PPT which gave a brief description about the scheme and structure of the programme BSc Computer Application. She explained the modality, flexibility, and possibility of higher studies and job opportunity of the programme.

Recommendations: -

During the discussion, the following points were discussed,

1. Dr. Gopalakrishnan J Prakash said that there is large demand for post graduate students in the IT industry. He said that the attitude, skill and knowledge of candidates are more discussed when they appear for an interview.
2. Dr. Varghese Paul said the importance of addition of practical oriented paper in the syllabus. In his opinion papers should contain the topics which would be related to the current trends of IT.
3. During the discussion Mr. Santhosh Kumar said that the department should conduct in house project for the students in the sixth semester.
4. Mr. Sudhevan told that the department should take initiative to promote the students for doing certificate course which will be beneficial for them to achieve job in MNCs.
5. Decision was taken to start a new value-added course Introduction to Information Technology.

Solutions: -

1. Members of BoS gave suggestions and alterations in the curriculum.
2. Industrialist Dr. Gopalakrishnan has accepted our request for doing internship of students in his company.
3. One of the BoS members has given the assurance for conducting soft skill training for the department students.

The following courses have been revised and significant changes have been made:

15U3CRSTA03	Probability Distributions
15U4CRSTA05	Sample Survey Analysis and Design of Experiments
15U4CRCAP10	Java Programming and Dynamic Webpage Designing
15U5PRCAP5	Java Programming and Dynamic Webpage Designing (PR)
15U5CRSTA06	Statistical Quality Control and Operations Research
15U6CRCAP12	Operating Systems

The following new courses are introduced with new title and new topics:

15U1CRSTA01	Descriptive Statistics
15U4CRCAP8	Advanced Web Technology
15U4PRCAP4	Advanced Web Technology (PR)
15U6CRCAP13	Cyber Security
15U6CRSTA07	Computer Aided Data Analysis using Excel and R

The meeting came to an end by 12 noon.

Regitha . M.R
Chairperson, Board of Studies

Dr. Johnson X Palackappillil
Principal
Sacred Heart College (Autonomous)
Thevara, Kochi- 682 013

DEPARTMENT OF COMPUTER SCIENCE

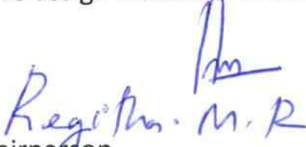## SACRED HEART COLLEGE, THEVARA (AUTONOMOUS)

Minutes of Third Meeting of External BoS – 25.01.2017

Members Present

1. Ms. Regitha M R
2. Fr. Nijo Antony
3. Ms. Achamma Cherian
4. Ms. Tressa Shybe
5. Ms. Jisha Soman
6. Ms. Rensi K Ranjith

The BoS in Computer Science held on 25.01.2017 took the following decision;

1. To merge the important topics of two courses, Fundamentals of Digital Systems and Microprocessor from first and second semester to one course in the first semester.
2. To change the order of the Operating System from the sixth to second semester.
3. To add a new topic Big Data in the course DBMS and to change the course name from DBMS to RDBMS in the third semester.
4. To replace topic of the course Data Communication and Computer Networks by a new topic in the third semester.
5. To add some topics of software engineering and change the name of the course from System Analysis and Design to Software Engineering in the fourth semester.
6. To remove some topics from the course Advanced Web Technology and add a new topic Ajax in the fourth semester.
7. To introduce a new course Programming in Python in the sixth semester.
8. To assign industrial visit in the internal assignment component in the fourth semester.

Chairperson
Board of Studies

Dr. Johnson X Palackappillil
Principal
Sacred Heart College (Autonomous)
Thevara, Kochi 013

DEPARTMENT OF COMPUTER SCIENCE

SACRED HEART COLLEGE, THEVARA (AUTONOMOUS)

Minutes of Internal BoS Regarding BSc CA Syllabus – 19.07.2017

Members present

1. Ms. Regitha M. R.
2. Ms. Tresa Shybe
3. Ms. Achamma Cherian
4. Ms. Jisha Soman
5. Fr. Nijo Antony
6. Mr. Shailesh Sivan
7. Ms. Christy Jaquiline
8. Ms. Kavya Kishore

AS per the syllabus amendments discussed in the third meeting of internal BoS, the Departments took the following decisions.

1. Department planned to analyse the outcome of students of the first autonomous batch in 2019.
2. Planned to revise the syllabus and curriculum in 2020. Fifty percentage of the syllabus has been already revised. So, Department planned to do the revision of the syllabus in 2020.
3. Dept. did a comparative study about the revised syllabus of MG University and revised the syllabus. Dept. has analysed almost all subjects that have higher level standard than MGU University syllabus.

Meeting has decided to submit the discussed matters in the academic council which will be held on next month.

Regitha. M. R
Chairperson
Board of Studies

Dr. Johnson X Palackappillil
Principal
red Heart College (Autonomous)
Thevara, Kochi-682 013

DEPARTMENT OF COMPUTER SCIENCE

SACRED HEART COLLEGE, THEVARA (AUTONOMOUS)

Internal BoS Meeting 05.07.2018

Members Present

1. Ms. Regitha M.R.
2. Fr. Nijo Antony
3. Mr. Santhosh Kumar K P
4. Ms. Achamman Cherian
5. Ms. Jisha soman
6. Mr. Shailesh S
7. Ms. Tressa Shybe
8. Ms. Christy Jacquiline
9. Ms. Neethu A. S.
10. Ms. Neethu Thomas

The internal BoS Meeting started with a silent prayer on 05.07.18 in the Dept. HoD Regitha M R has given welcome to every BoS member.

HoD has told the 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 suggestions are made during the discussion.

1. The importance of Python which should be introduced in the first semester of BSc CA. Programming in C is removed.
2. The first module of FDS has to be given as bridge course to first year students.
3. Merge the portions of FDS and Microprocessor.
4. Introduce a new course Programming in Python.
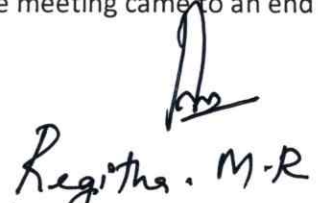5. Shifted operating system from sixth semester to second semester.

6. Removed first module and added Introduction to Trees and Graphs in Data Structure using C.

7. Removed first module and added Introduction to Trees and Graphs.

8. Removed Congestion Control and added Interrupt of things in Data Communication 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. Removed some CSS 3 and HTML 5 methods, merged first and second modules as first module and added Java Script Programming as second module.

12. Removed Association rules of Data Warehouse and added Basic Concepts of Big data and Hadoop.

13. Removed fourth and fifth modules and added package interface swing and JDBC.

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 six as elective.

17. Introduced a new course Linux Operating System as second elective in semester six.

18. Changed project groups to a maximum two members.

Review of BoS for BCA Syllabus

1. Shuffle the modules two and three in programming in C.

2. Removed some unimportant topics and added JK, D and T Flipflop.

3. Added Network Devices in Module 5 in Computer Fundamentals and Computer Organisations.

4. In programming in Java add AWT packages.

5. Removed Introduction to Relational Data Base from first module to second module and added ER Diagrams to Relations.

6. Removed the entire second module and added Cloud Infrastructure Mechanism and Specialised Cloud Mechanism.

7. Removed the entire third module and topics from different Cloud Architecture.

8. Renamed Mobile Web and Application on Development and added JavaScript and JQuery and introduction to PHP.

9. Renamed Mobile Web and Application 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 second 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 bye 01 pm

Regitha. M-R

Chairperson

Board of Studies

DEPARTMENT OF COMPUTER SCIENCE

SACRED HEART COLLEGE, THEVARA (AUTONOMOUS)

External BoS Meeting Minutes -07.07.2018

Members Present

1. Dr. B. Kannan
2. Mr. K.J. Sudhevan
3. Mr. Sreenarayan
4. Ms. Regitha M.R.
5. Ms. Tressa Shybe
6. Ms. Achamma Cherian
7. Ms. Jisha Soman
8. Mr. Santhosh Kumar K. P.
9. Ms. Christy Jaqueline
10. Ms. Neethu A. S.
11. Ms. Neethu Thomas

The external BoS Meeting of Computer Science Dept. was held on 07.07.2018. The programme started with a silent prayer. The review has helped to develop and maintain high quality standards and to improve the curriculum and syllabus.

Review from the BoS meeting for BSc CA

1. Semester I
   a) First module of FDS as bridge course.
   b) Merge the modules of FDS, Microprocessor and Computer Organisation.
   c) Introduced new course - Programming in Python and also introduced the practical paper of Programming in Python.
2. Semester 2
   a) Shifted the course Operating System from sixth module to second module.

b) Removed the first 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 first and second modules as first module and Java Script programming as second module in Advanced Web Technology.

c) In Database Management System removed Association Rules of Data Ware house. Added the basic concepts of Big data and Hadoop

d) In practical of AWD, JavaScript programmes are added.

5. Semester 5

a) The course Java Programming and Dynamic Webpage Design is changed as Programming in Java.

b) Removed fourth and fifth modules and added package, interface, swing and JDBC in detail.

c) Open course Internet, Web Designing and Cyber laws have no change.

d) Added programmes in package, interface. Swing and JDBC in programming in Java practical.

6. Semester 6

a) Introduced a new course Computer Graphics in sixth semester.

b) An electronic paper Artificial Intelligence is added in Semester 6.

c) Another electronic paper Linux Operating System is added in Semester 6.

d) A team of maximum two members is allowed to do project.

The following courses have been revised and essential changes have been made:

Sl. No	Course Code	Course Title
1	19U4CRCAP7	Advanced Web Technology
2	19U4PRCAP4	Advanced Web Technology (Practical)
3	19U5CRCAP9	Programming in Java
4	19U5PRCAP5	Programming in Java (Practical)

The following new courses are introduced with new title and new topics:

Sl. No	Course Code	Course Title
1	19U5CRCAP10	Software Engineering and Environmental Studies
2	19U6CRCAP11	Computer Graphics
3	19U6CRCAP12 EL	1. Artificial Intelligence
4	19U6CRCAP13 EL	2. Linux Operating System
5	19U6CRCMT7	Graph Theory and Numerical Analysis

Review from BoS Meeting for BCA

Semester I

a) Programming in C: Removed control Constructs from module 3 and added to second module.

b) Computer Fundamentals and Organisations: Removed Basics of Computer and added Combinational Circuits, Sequential Circuits, Flip-Flops, JK, D and T Flip-Flop Counters.

Removed module 4 and revised with Instruction Set, Addressing Modules and Formats. Added Network Devices in module 5.

c) Introduction to Linux: Added Nano Editor and its commands

Semester III

a) Programming in Java: Added AWT and SWING packages continuous and component classes.

b) RDBMS: Removed Introduction to Relational Database. Added converting ER diagram to Relations and Relational Constraints.

Semester IV

a) Introduction to Cloud Technology: Removed second module and added cloud infrastructure, mechanism and specialized 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 structure and AWS clouds and case studies.

b) Mobile web and application development: Added introduction to the Internet, introduction to HTML/XHTML, Introduction to style sheet and frameworks, Cascading style sheets.

Semester V

a) Server Operating System: Changed from Windows server 2008 to Windows Server 2016. Added networking features: DNS, DHCP, Hyper-V and Nano Server.
Added RHCL- 1 installation, configuration in module 2.
Added configuration of FTP server, web server, DNS server, SSH, POP3, IMAP.

b) Fundamentals of Data Centre: Removed 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 following courses have been revised and essential changes have been made:

Sl. No	Course Code	Course Title
1	19U1CRBCA1	Computer Fundamentals & Organization
2	19U2CPCMT2	Discrete Mathematics and Numerical Analysis
3	19U4VCBCA1	Introduction to Cloud Technology
4	19U4VCBCA2	Fundamentals of Data Centre

The following new courses are introduced with new title and new topics:

Sl. No	Course Code	Course Title
1	19U2CCENG2	Text and Context: A Guide to Effective Reading and Writing
2	19U4CRBCA12	Web Technologies
3	19U5CRBCA15	IT and Environment

The meeting came to an end by 1.00 pm.

Regitha. M. R
Chairperson

Dr. Johnson X Palackappillil
Principal
Sacred Heart College (Autonomous)
Thevara, Kochi- 682 013

DEPARTMENT OF COMPUTER SCIENCE

SACRED HEART COLLEGE, THEVARA (AUTONOMOUS)

External BoS Meeting Minutes – 15.03.2019

Members Present

1. Regitha M R (Chairman)
2. Rev. Dr. Jaison Mularickal (Nominee by AC)
3. Rev. Fr. Nijo Antony
4. Tressa Shybe
5. Achamma Cherian
6. Jisha Soman
7. Rensi K. Ranjith
8. Christy Jacqueline
9. Shailesh Sivan
10. Santhosh Kumar
11. Neethu A. S.
12. Maxon (Alumnus)

The external BoS meeting was held on 15th March 2019. The meeting started with a silent prayer.

Rev. Dr. Jaison Mularickal (Nominee by AC), Regitha M R (HoD) and all the faculty members of the Dept. participated in the meeting. The head has presented the revisions made in syllabus of BSc Computer Application. Christy Jacqueline faculty of BCA presented the revisions made in the syllabus of BCA. The syllabus revision will be implemented for 2019-2022 admission students.

Discussions

The following suggestions made by Rev. Dr. Jaison about the revision in the BSc Computer Application and BCA Syllabus,

1. To simplify the syllabus of BSc Computer Applications.
2. To suggest to include cooling technique and infinity-based algorithm in Data Centre.
3. To suggest to include practical session for open stack.

4. To suggest to include practical session for open stack.

5. To suggest to include Hadoop + Map Reduction in cloud computing.

6. 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 outcome in the computer lab and class room.

2. Suggest to display the course outcome and the program outcome in the corresponding lab session.

3. Suggest to introduce course outcome in the handbook.

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 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 in a miniature reform.

9. Suggest to give focus on Data Science in the syllabus of BSc CA.

Maxon, alumnus working at UST Global have suggested to include Python and cloud-based technology as add on course.

At the end of session BoS has given approval on the curriculum and syllabus of new add on course on programming in Python and Basic Android. Both courses have 6 hours per week. These 2 courses are conducted during 3.30 pm – 04.30 pm.

The meeting came to an end by 12.30 pm.

Regitha. M R
Chairperson

Dr. Johnson X Palackappillil
Principal
Sacred Heart College (Autonomous)
Thevara, Kochi-682 013