



Department of Computer Science Holy Cross College (Autonomous)

Minutes of the Board of Studies meeting of the Department of Computer Science held on
05.02.2019 at 10.00 AM

Ref. No: COMP / BoS 2018-2019 / XI

Members

- Sr. Jothi Antony - HOD and Chair Person,
Department of Computer Science,
Holy Cross College, Nagercoil-4
- Dr. Nancy Jasmine Goldina - University Nominee, Assistant Professor,
Department of MCA, Sarah Tucker College,
Palayamkottai, Tirunelveli-627007, Tamil Nadu.
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- Dr. S. P. Victor - Subject Expert, Associate Professor
Department of Computer Science,
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- Ms. Pamina Kumar - Alumni, UST Global, Technopark Phase 2,
Service Road, Kulathoor, Thiruvananthapuram,
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Ph – 7339479886
- Mr. D. Prakash Kingsly - Industrialist, Knowsys Technologies,
IT Training Institute, Nagercoil.
Ph: 9443226228
- Mrs. J. Anto Hepzie Bai Member
Mrs. P. Jasmine Lizy Member
Miss. V. Abisha Member
Mrs. M. Nithila Member

AGENDA

1. Prayer
2. Welcome by the Chairperson
3. Reading of the minutes of the previous meeting
4. Restructuring / Revision of Curriculum of UG
5. Changes / Modification of Curriculum
6. Classification of New Courses
7. Classification of courses as Employability / Entrepreneurship / Skill Development
8. Classification of courses as Local / National / Regional / Global
9. Classification of courses as Crosscutting Issues Gender Equity / Environment and Sustainability / Human Values / Professional Ethics
10. List of Value Added Courses
11. Online Course
12. New measures to be undertaken by the department
13. Feedback and action taken
14. Next Meeting of BoS
15. Any other

The Board of Studies meeting commenced with a prayer by Mrs.V. Abisha. The members of the board, the Chairperson, University Nominee, Subject experts, Industrialist, Alumna and faculty of the Department, were present for the meeting. The meeting commenced with a prayer.

Chairperson's Address

The Chair Person and Head of the Department, Sr.Jothi Antony, welcomed the members and introduced them while briefing on the agenda for the conduct of this meeting. The following items in the Agenda were discussed by the members of the Board.

Item 01/BoS 19.02/03: Reading of the minutes of the previous meeting

Mrs. J. Anto Hepzie Bai read the minutes of the previous meeting which was approved by the members after incorporating the modifications/suggestions given by the Academic council.

Item 02/BoS 19.02/04: Approval of Restructuring / Revision of Curriculum of UG semester V and VI

The overall structure of the curriculum framed in 2017 was accepted by the board with the following modifications.

- (i) To include course outcome along with the objectives.
- (ii) To include JQuery and JSon tools in Web Technology
- (iii) To change Unit V (UNIX) in Operating Systems under V Semester.
- (iv) To bring all the layers in one unit and to keep separate Unit for switching, Routing and WAN in Data communication and computer Networks under V Semester.
- (v) To add Big Data Analytics concept in Data Mining under V semester.
- (vi) To merge Photoshop and Dreamweaver as one SBC paper entitled as Web Designing and to change the internal mode as practical.

Course Structure

Distribution of Hours and Credits

Course	Sem. I	Sem. II	Sem. III	Sem. IV	Sem. V	Sem. VI	Total	
							Hours	Credits
Language	6(3)	6(3)			-	-	12	6
English	6(3)	6(3)			-	-	12	6
Major Core – Theory	4(4)	4(4)	5(4) + 5(4) + 5(4)	5(4) + 5(4)	6(5) + 5(5)	5(5) + 5(5) + 5(5)	59	53
Major Core – Practical	4(2)	4(2)	4(2) 4(2)	4(2) 4(2)	6(3)	4(2) 4(2)	38	19
Elective	-	-	-	5(5)	5(5)	5(5)	15	15
Project	-	-	-	-	6(5)		6	5
Allied- Theory	4(4)	4(4)	5(4)	5(4)	-	-	18	16
AECC	2(2)	2(2)	-	-			4	4
SBC	-	-	2(2)	2(2)	2(2)	2(2)	8	8
NMEC	4(2)	4(2)	-	-	-	-	8	4
* FC - I (Values for Life)	-	(1)	-	-	-	-	-	1
* FC – II (Personality Development)	-	-	-	(1)	-	-	-	1
*FC – III (HRE)					(1)			1
*FC – IV (WS)						(1)		1
*SDP -Certificate Course	-	(1)	-	-	-	-	-	1

*SLP –Extension Activity(RUN)	-	-	(1)	-	-	-	-	1
*STP – Clubs & Committees/ NSS	-	-	-	(1)	-	-	-	1
Total	30(20)	30(22)	30(23)	30(25)	30(26)	30(27)	180	140+3

Total number of hours = 180

Total number of credits = 140+3

Courses offered for the students of B.Sc. Computer Science are given in the following structure

Courses Offered

Semester	Course	Subject Code	Paper	Hours / Week	Credit
I	Part I	TL1711 FL1711	Language : Tamil French	6	3
	Part II	GE1714	General English	6	3
	Part III	SC1711	Major Core I: Programming in C	4	4
		SC17P1	Practical I: Programming in C Lab	4	2
		SA1711	Allied I: Theory : Digital Computer Fundamentals	4	4
	Part IV	AEC171	Ability Enhancement Compulsory Course (AECC): English Communication	2	2
		SNM171	Non Major Elective Course (NMEC): CorelDraw	4	2
		VEC172	Foundation Course I: Values for Life	-	-
	Part V	SDP172	Skill Development Programme (SDP): Certificate Course	-	-
		STP174	Student Training Programme (STP): Clubs & Committees / NSS	-	-
II	Part I	TL1721 FL1721	Language : Tamil French	6	3
	Part II	GE1724	General English	6	3
	Part III	SC1721	Major Core II: Object Oriented Programming in C++	4	4
		SC17P2	Practical II: Programming in C++ Lab	4	2

		SA1721	Allied II: Theory: PC Hardware and Troubleshooting	4	4	
	Part IV	AEC172	Ability Enhancement Compulsory Course (AECC): Environmental Studies	2	2	
		SNM172	Non Major Elective Course (NMEC): Internet and its Applications	4	2	
		VEC172	Foundation Course I: Values for Life	-	1	
	Part V	SDP172	Skill Development Programme (SDP): Certificate Course	-	1	
		STP174	Student Training Programme (STP): Clubs & Committees / NSS	-	-	
III	Part III	SC1731	Major Core III: Programming in Java	5	4	
		SC1732	Major Core IV: Microprocessor and Assembly Language Programming	5	4	
		SC1733	Major Core V: Data Structures and Algorithms	5	4	
		SC17P3	Practical III: Programming in Java Lab	4	2	
		SC17P4	Practical IV: Data Structure using C++ Lab	4	2	
		SA1731	Allied III: Theory: Numerical and Statistical Methods	5	4	
	Part IV	SBC173 / SBC174	Skill Based Course (SBC): Yoga / Computer Literacy	2	2	
		VEC174	Foundation Course II: Personality Development	-	-	
	Part V	STP174	Student Training Programme (STP): Clubs & Committees / NSS	-	-	
		SLP173	Service Learning Programme (SLP): Extension Activity (RUN)	-	1	
	IV	Part III	SC1741	Major Core VI: Web Programming	5	4
			SC1742	Major Core VII: RDBMS with Oracle	5	4
SC1743			Elective I: (a) System Analysis and Design (b) Software Engineering (c) Object Oriented Analysis and Design	5	5	
SC1744						
SC1745						
SC17P5			Practical V: Web Programming Lab	4	2	
SC17P6			Practical VI: Oracle Lab	4	2	

		SA1741	Allied IV: Theory: Operations Research	5	4
	Part IV	SBC173 / SBC174	Skill Based Course (SBC): Yoga / Computer Literacy	2	2
		VEC174	Foundation Course II: Personality Development	-	1
	Part V	STP174	Student Training Programme (STP): Clubs & Committees / NSS	-	1
V	Part III	SC1751	Major Core VIII: Web Technology	6	5
		SC1752	Major Core IX: Operating Systems	5	5
		SC1753 SC1754 SC1755	Elective II (a) Data Communication and Computer Networks (b) Data Mining (c) Image Processing	5	5
		SC17P7	Practical VII: Web Technology Lab	6	3
		SC17PR	Project	6	5
	Part IV	SSK175	Skill Based Course (*SBC): Photoshop	2	2
		HRE175	Foundation Course III: Human Rights Education (HRE)	-	1
	VI	Part III	SC1761	Major Core X: Android Application Development	5
SC1762			Major Core XI: Computer Graphics and Multimedia	5	5
SC1763			Major Core XII: UNIX and Shell Programming	5	5
SC1764 SC1765 SC1766			Elective III (a) Mobile Computing (b) Client / Server Technology (c) Artificial Intelligence and Expert System	5	5
SC17P8			Practical VIII: Android Application Development Lab	4	2
SC17P9			Practical IX: Computer Graphics and Multimedia Lab	4	2
Part IV		SSK176	Skill Based Course (*SBC): Dreamweaver CS4	2	2
		WSC176	Foundation Course IV: Women's Studies (WS)	-	1
			TOTAL	180	140+3

Item 03/BoS 19.02/05: Approval of Changes / Modification of Curriculum

The BoS members approved the Courses in Semester V and Semester VI for UG programme.

- (i) The following courses during the V and VI semesters are revised/modified based on the feedback from the students and Alumni.

Sl.No.	Semester	Paper Code	Paper Title	Changes	
				Removed (if any)	Addition (if any)
1	V	SC1752	Major Core IX: Operating Systems	Concept of UNIX in Unit V	Uniprocessor, Multiprocessor and Real Time, I/O Management and Disk Scheduling are added in Unit V.
2	V	SC2021	Major Core II: Object Oriented Programming Using C++	-	Parameterized Constructors, Copy Constructors added in Unit II and Pure Virtual Functions in Unit III. Exception Handling, Standard template Library added in Unit V.

Item 04/BoS 19.02/06: Classification of New Courses

The new courses introduced are:

V Semester SC1754 Elective II: Data Mining

V Semester SC1755 Elective II: Image Processing

VI Semester SC1763 Major Core XII: UNIX and Shell Programming

VI Semester SC1766 Elective III: Artificial Intelligence and Expert System

Item 05/BoS 19.02/07: Classification of the courses as Employability/ Entrepreneurship / Skill Development

Sl.No	Semester	Course Code	Course Title	Employability	Entrepreneurship	Skill Development
1.	V	SC1751	Major Core VIII: Web Technology	✓	✓	✓
2.	V	SC1752	Major Core IX: Operating Systems	✓	✓	✓
3.	V	SC1753	Elective II : (a) Data Communication and Computer Networks	✓	✓	✓
4.	V	SC1754	Elective II : (b) Data Mining	✓		✓

5.	V	SC1755	Elective II : (c) Image Processing	✓	✓	✓
6.	V	SC17P7	Practical VII: Web Technology Lab		✓	✓
7.	V	SSK175	Skill Based Course (*SBC): Photoshop		✓	✓
8.	VI	SC1761	Major Core X: Android Application Development	✓		
9.	VI	SC1762	Major Core XI: Computer Graphics and Multimedia			✓
10.	VI	SC1763	Major Core XII: UNIX and Shell Programming	✓		✓
11.	VI	SC1764	Elective III : (a) Mobile Computing	✓	✓	✓
12.	VI	SC1765	Elective III : (b) Client / Server Technology		✓	✓
13.	VI	SC1766	Elective III : (c) Artificial Intelligence and Expert System			✓
14.	VI	SC17P8	Practical VIII: Android Application Development Lab	✓		
15.	VI	SC17P9	Practical IX: Computer Graphics and Multimedia Lab			✓
16.	VI	SSK176	Skill Based Course (*SBC): Dreamweaver CS4			✓

Item 06/BoS 20.01/08: Classification of the courses as Local/ National / Regional / Global

Sl. No	Semester	Course Code	Course Title	Local	National	Regional	Global
1.	V	SC1751	Major Core VIII: Web Technology	✓	✓		✓
2.	V	SC1752	Major Core IX: Operating Systems	✓	✓		✓
3.	V	SC1753	Elective II : (a) Data Communication and Computer Networks	✓	✓	✓	✓
4.	V	SC1754	Elective II : (b) Data Mining				✓
5.	V	SC1755	Elective II : (c) Image Processing	✓	✓		✓
6.	V	SC17P7	Practical VII: Web Technology Lab		✓		✓
7.	V	SSK175	Skill Based Course (*SBC): Photoshop	✓	✓		
8.	VI	SC1761	Major Core X: Android Application Development				✓
9.	VI	SC1762	Major Core XI: Computer Graphics and Multimedia	✓	✓	✓	✓

10.	VI	SC1763	Major Core XII: UNIX and Shell Programming	✓	✓	✓	
11.	VI	SC1764	Elective III : (a) Mobile Computing	✓		✓	✓
12.	VI	SC1765	Elective III : (b) Client / Server Technology	✓		✓	✓
13.	VI	SC1766	Elective III : (c) Artificial Intelligence and Expert System				✓
14.	VI	SC17P8	Practical VIII: Android Application Development Lab			✓	
15.	VI	SC17P9	Practical IX: Computer Graphics and Multimedia Lab		✓		
16.	VI	SSK176	Skill Based Course (*SBC): Dreamweaver CS4	✓	✓	✓	

Item 07/BoS 20.01/09: Classification of courses as Crosscutting Issues Gender Equity / Environment and Sustainability / Human Values / Professional Ethics

The Courses Elective II: (a) Data Communication and Computer Networks (SC1753), Elective II: (c) Image Processing (SC1755) and Skill Based Course (*SBC): Photoshop (SSK175) are classified under the Crosscutting Issue, Professional Ethics.

Item 08/BoS 19.02/10: Approval of Value Added Course

The BoS members suggested to introduce Big Data Analytics as new value added course.

Item 09/BoS 19.02/11: Approval of Online Course

The BoS members suggested to introduce Online Courses like MOOC as Self Learning Course.

Item 10/BoS 19.02/12: New measures to be undertaken by the department

The BoS members suggested to have MoUs with other institutions and organize training programmes, workshops and seminars.

Item 11/BoS 19.02/13: Feedback and action Taken

Feedback received	Action taken
To change the concept of UNIX in Operating System under V Semester. (Operating Systems-SC1752).	The topics Uniprocessor, Multiprocessor and Real Time, I/O Management and Disk Scheduling are placed instead of UNIX.
To increase the content of Data Communications and Computer Networks course under the V Semester.	Dial-up Modems and Data transfer systems are included.

Feedback from student representatives

Update the syllabus with current trend technologies. The hands-on projects were incredibly valuable in applying theoretical concepts to real-world scenarios. Give many add-on courses to update the skills and knowledge.

Rajeswari *Rajeswari*

Sirmila *Sirmila*

Item 12/BoS 19.02/14: Next Meeting of BoS

Sr. Jothy Antony, Chair Person thanked all the members of Board of Studies and the meeting came to an end at 2.30 P.M

Item 13/BoS 19.02/15: Any Other

The BoS members suggested to include the new technologies IOT, Big Data and Python in future.

Details of Board Members with their Signature

Name of the Members	Designation	Signature
Sr.Jothi Antony	Assistant Professor and Head	Sr. <u>Jothi</u>
Dr. Nancy Jasmine Goldina	University Nominee, Assistant Professor	<i>Nancy Jasmine</i> 5/02/2019
Dr. S. P. Victor	Subject Expert, Associate Professor	<i>S.P.V.</i> 5/2/19
Mr. D. Prakash Kingsly	Industrialist, Knowsys Technologies, IT Training Institute, Nagercoil.	D. Prakash Kingsly.
Ms. S. Pamina	Software Tester(Alumni)	<u>Pamina</u>
Mrs. J. AntoHepzieBai	Assistant Professor	<i>J. AntoHepzieBai</i>
Mrs. V. Abisha	Assistant Professor	<i>V. Abisha</i>
Mrs. P. Jasmine Lizy	Assistant Professor	<i>P. Jasmine Lizy</i>
Mrs. M. Nithila	Assistant Professor	MND