



Department of Botany
Holy Cross College (Autonomous), Nagercoil



Minutes of the Botany Board of Studies meeting held on 04.02.2019 at 9.30 AM

Ref: No. BÔT/BOS/ 2018-2019/12

Members:

Dr. C.Jespin Ida	- Chairperson& Head of the Department
Dr.V.R.Mohan	- University Nominee
Dr.S. Beschi Antony Rayan	- Subject Expert
Dr.M.Glory	- Subject Expert
Mr.S.Sahaya Sathish	-Industrialist
Ms.B.Santhiya	- Alumna
Dr. Sr. Leema Rose	- Member
Dr. A. Anami Augustus Arul	- Member
Dr. Bojaxa A. Rosy	- Member
Dr. A. R. Florence	- 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 (offer online course like MOOC as a Self-learning 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 Dr. Sr. Leema Rose. The members of the board, the Chairperson, University Nominee, Subject experts, Industrialist, Alumna and faculty of the Department, were present for the meeting.

Chairperson's Address

The Chair Person and Head of the Department, Dr. C. Jespin Ida, 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/BoS21.01/03: Approval of the minutes of the meeting held on 22.01.2018

Dr.C.Jespin Ida 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/ BoS21.01/04: Approval of Restructuring / Revision of Curriculum of UG

Sem ester	Course	Subject code	Paper	Hours/ week	Credit	
I	Part I	TL1711/FL1711	Language: Tamil / French	6	3	
	Part II	GE1711 / GE1712	General English (A Stream / B Stream)	6	3	
	Part III	BC1711	Major Core I – Algae, Fungi and Lichens		4	4
		BC17P1	Major Practical I - Algae, Fungi and Lichens		2	-
		BA1711	Allied I –Theory: Cell Biology and Plant Anatomy		4	4
		BA17P1	Allied I – Practical - Cell Biology and Plant Anatomy		2	-
	Part IV	AEC171	Ability Enhancement Compulsory Course (AECC):English communication		2	2
		BNM171	Non Major Elective Course (NMEC) – Food and Nutrition		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		GE1721/ GE1722	General English (A Stream / B Stream)	6	3	
Part III		BC1721	Major Core II – Plant Anatomy and Embryology		4	4
		BC17P1	Major Practical I - Algae, Fungi and Lichens		-	2
		BC17P2	Major Practical II - Plant Anatomy & Embryology		2	2
		BA1721	Allied I – Theory: Taxonomy of Angiosperms and Plant Physiology		4	4
		BA17P1	Allied I – Practical - Cell Biology, Plant Anatomy, Taxonomy of Angiosperms and Plant Physiology		2	2
Part IV		AEC172	Ability Enhancement Compulsory Course (AECC): Environmental Studies		2	2
		BNM172	Non Major Elective Course (NMEC)- Eco friendly Technology		4	2
		VEC172	Foundation Course – II –Personality Development		-	1
Part V		SDP172	Skill Development Programme (SDP) – Certificate Course		-	1
		STP174	Student Training Programme (STP) -		-	-

			Clubs & Committees/NSS			
III	Part I	TL1731/FL1731	Language: Tamil / French	6	3	
	Part II	GE1731 / GE1732	General English (A Stream / B Stream)	6	3	
	Part III	BC1731		Major Core III – Archegoniate	4	4
				Major – Elective I	4	4
		BC1732		(a) Herbal Botany		
		BC1733		(b) Nursery and Gardening		
		BC1734		(c) Agricultural Botany		
		BC17P3		Major Practical III - Archegoniate	2	-
		BA1731		Allied II – Theory: Taxonomy of Angiosperms and Plant Physiology	4	4
		BA17P2		Allied II – Practical - Taxonomy of Angiosperms and Plant Physiology	2	-
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 I	TL1741/FL1741	Language : Tamil / French	6	3	
	Part II	GE1741/ GE1742	General English (A Stream / B Stream)	6	3	
	Part III	BC1741		Major Core IV – Plant Ecology and Phytogeography	4	4
				Major – Elective II		
		BC1742		(a) Biological Resources	4	4
		BC1743		(b) Food Science		
		BC1744		(c) Biodiversity and Human Welfare		
		BC17P3		Major Practical III - Archegoniate	-	2
		BC17P4		Major Practical IV - Plant Ecology and Phytogeography	2	2
		BA1741		Allied II – Theory: Cell Biology and Plant Anatomy	4	4
	BA17P2		Allied II – Practical: Taxonomy, Anatomy, Plant Physiology, Cell Biology and Plant Anatomy	2	2	
Part IV	SBC173/ SBC174		Skill Based Course (SBC) – Yoga / Computer Education	2	2	
	VEC174		Foundation Course II – Personality Development	-	1	
Part V	STP174		Student Training Programme (STP) - Clubs & Committees/NSS	-	1	
V	Part III	BC1751	Major Core V - Taxonomy and Economic Botany	6	5	
		BC1752	Major Core VI - Biochemistry and	6	5	

			Biophysics		
		BC1753	Major Core VII - Microbiology and Plant Pathology	5	4
		BC1754 BC1755 BC1756	Major – Elective III (a) Horticulture and Plant Breeding (b) Forestry (c) Biological Techniques	5	5
		BC17P5	Major Practical V - Taxonomy and Economic Botany & Biochemistry and Biophysics	4	-
		BC17P6	Major Practical VI - Microbiology and Plant Pathology	2	-
	Part IV	BSK175	Skill Based Course (*SBC) – Floriculture	2	2
		HRE175	Foundation Course III - Human Rights Education (HRE)	-	1
VI	Part III	BC1761	Major Core VIII - Genetics, Biostatistics and Bioinformatics	6	5
		BC1762	Major Core IX - Biotechnology and Molecular biology	6	5
		BC1763	Major Core X - Plant Physiology and Metabolism	5	5
		BC1764 BC1765 BC1766	Major – Elective IV (a) Marine Botany (b) Organic Farming (c) Ecotourism	5	4
		BC17P5	Major Practical V – Taxonomy and Economic Botany & Biochemistry and Biophysics	-	2
		BC17P6	Major Practical VI - Genetics, Biostatistics and Bioinformatics & Biotechnology and Molecular Biology	4	2
		BC17P7	Major Practical VII - Microbiology and Plant Pathology & Plant Physiology and Metabolism	2	2
	Part IV	BSK176	Skill Based Course (*SBC) – Project	2	2
		WSC176	Foundation Course IV - Women's Studies (WS)	-	1
				TOTAL	180

Self Learning– Extra Credit Course

Semester	Subject code	Title of the paper	Hours/week	Credit
III/ V	BC17S1	Plant Resource Utilization	-	2
IV/VI	BC17S2	Algal Biotechnology	-	2

Item 03/ BoS21.01/05: Changes / Modification of Curriculum

- i. In the Major core paper Taxonomy and Economic Botany, in Unit II, APG classification and Chemotaxonomy has been added. In Unit III, instead of the family Anacardiaceae, Meliaceae is added. In Unit V, Amaranthaceae is included.
- ii. In the Major core paper Biochemistry and Biophysics, in Unit I, Structure and properties of water is deleted. In Unit II, reduce the content of Vitamins. In Unit III, types of RNA are included.
- iii. A special elective course, Biological techniques is introduced.
- iv. In Skill based course, Floriculture, in Unit III , Best indoor plants for air purification (NASA recommended) is included.
- v. In semester VI, in the Major core paper, Genetics, Biostatistics and Bioinformatics, Unit I, II and III are interchanged with the inclusion of non-mendelian inheritance.

Item 04/ BoS 20.01/06: Classification of courses as New Courses

S. No	Course Code	Title of the Course	New Courses
1.	BC1751	Major Core V - Taxonomy and Economic Botany	
2.	BC1752	Major Core VI - Biochemistry and Biophysics	
3.	BC1753	Major Core VII - Microbiology and Plant Pathology	✓
4.	BC1754	Major – Elective III	
5.	BC1755	(a) Horticulture and Plant Breeding	
6.	BC1756	(c) Biological Techniques	✓
7.	BC17P5	Major Practical V - Taxonomy and Economic Botany & Biochemistry and Biophysics	
8.	BC17P6	Major Practical VI - Microbiology and Plant Pathology	
9.	BSK175	Skill Based Course (*SBC) – Floriculture	
10.	HRE175	Foundation Course III - Human Rights Education (HRE)	
11.	BC1761	Major Core VIII - Genetics, Biostatistics and Bioinformatics	✓

12.	BC1762	Major Core IX - Biotechnology and Molecular biology	✓
13.	BC1763	Major Core X - Plant Physiology and Metabolism	✓
14.	BC1764	Major – Elective IV (a) Marine Botany	✓
15.	BC1765	(b) Organic Farming	✓
16.	BC1766	(c) Ecotourism	✓
17.	BC17P5	Major Practical V –Taxonomy and Economic Botany & Biochemistry and Biophysics	
18.	BC17P6	Major Practical VI - Genetics, Biostatistics and Bioinformatics & Biotechnology and Molecular Biology	
19.	BC17P7	Major Practical VII - Microbiology and Plant Pathology & Plant Physiology and Metabolism	
20.	BSK176	Skill Based Course (*SBC) – Project	
21.	WSC176	Foundation Course IV - Women's Studies (WS)	

Item 05/BoS21.01/07: Classification of the courses as Employability/

Entrepreneurship/Skill development

S. No	Course Code	Title of the Course	Employ-ability	Entrepreneurship	Skill development
1.	BC1751	Major Core V - Taxonomy and Economic Botany	✓		✓
2.	BC1752	Major Core VI - Biochemistry and Biophysics	✓		✓
3.	BC1753	Major Core VII - Microbiology and Plant Pathology	✓	✓	✓
4.	BC1754	Major – Elective III (a) Horticulture and Plant Breeding	✓	✓	✓
5.		(b) Forestry	✓	✓	✓
6.	BC1756	(c) Biological Techniques	✓	✓	✓
7.	BC17P5	Major Practical V - Taxonomy and Economic Botany & Biochemistry and Biophysics		✓	✓
8.	BSK175	Skill Based Course (*SBC) – Floriculture	✓	✓	✓
9.	BC1761	Major Core VIII - Genetics, Biostatistics and Bioinformatics	✓		✓

10.	BC1762	Major Core IX - Biotechnology and Molecular biology	✓	✓	✓
11.	BC1763	Major Core X - Plant Physiology and Metabolism		✓	✓
12.	BC1764	Major – Elective IV (a) Marine Botany	✓	✓	✓
13.	BC1765	(b) Organic Farming	✓	✓	✓
14.	BC1766	(c) Ecotourism	✓		✓
15.	BC17P6	Major Practical VI - Genetics, Biostatistics and Bioinformatics & Biotechnology and Molecular Biology		✓	✓
16.	BC17P7	Major Practical VII - Microbiology and Plant Pathology & Plant Physiology and Metabolism		✓	✓
17.	BSK176	Skill Based Course (*SBC) – Project			✓

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

UG

S. No	Course Code	Title of the Course	Local	National	Regional	Global Relevance
1.	BC1751	Major Core V - Taxonomy and Economic Botany	✓		✓	✓
2.	BC1752	Major Core VI - Biochemistry and Biophysics		✓		✓
3.	BC1753	Major Core VII - Microbiology and Plant Pathology	✓	✓	✓	✓
4.	BC1754	Major – Elective III (a) Horticulture and Plant Breeding	✓	✓	✓	✓
5.	BC1755	(b) Forestry	✓	✓	✓	✓
6.	BC1756	(c) Biological Techniques		✓	✓	✓
7.	BC17P5	Major Practical V - Taxonomy and Economic Botany & Biochemistry and Biophysics	✓	✓	✓	✓
8.	BSK175	Skill Based Course (*SBC) – Floriculture	✓	✓	✓	✓

9.	BC1761	Major Core VIII - Genetics, Biostatistics and Bioinformatics	✓			✓
10.	BC1762	Major Core IX - Biotechnology and Molecular biology		✓		✓
11.	BC1763	Major Core X - Plant Physiology and Metabolism		✓	✓	✓
12.	BC1764	Major – Elective IV (a) Marine Botany	✓	✓		✓
13.	BC1765	(b) Organic Farming	✓	✓	✓	✓
14.	BC1766	(c) Ecotourism		✓	✓	✓
15.	BC17P6	Major Practical VI - Genetics, Biostatistics and Bioinformatics & Biotechnology and Molecular Biology		✓		✓
16.	BC17P7	Major Practical VII - Microbiology and Plant Pathology & Plant Physiology and Metabolism	✓	✓		✓
17.	BSK176	Skill Based Course (*SBC) – Project	✓	✓		

Item 07/BoS 20.01/09: Classification of courses as Cross Cutting Issues - Gender equity/Environment and sustainability/Human Values/Professional Ethics

Gender equity - Nil

Human Values -Nil

S. No	Course Code	Title of the Course	Environment and sustainability	Professional Ethics
1.	BC1751	Major Core V - Taxonomy and Economic Botany	✓	
2.	BC1752	Major Core VI - Biochemistry and Biophysics	✓	
3.	BC1753	Major Core VII - Microbiology and Plant Pathology	✓	
4.	BC1754	Major – Elective III (a) Horticulture and Plant Breeding	✓	
5.	BC1755	(b) Forestry	✓	

6.	BC1756	(c) Biological Techniques	✓	
7.	BC17P5	Major Practical V - Taxonomy and Economic Botany & Biochemistry and Biophysics	✓	
8.	BSK175	Skill Based Course (*SBC) – Floriculture	✓	
9.	BC1761	Major Core VIII - Genetics, Biostatistics and Bioinformatics		✓
10.	BC1762	Major Core IX - Biotechnology and Molecular biology		✓
11.	BC1763	Major Core X - Plant Physiology and Metabolism	✓	
12.	BC1764	Major – Elective IV (a) Marine Botany	✓	
13.	BC1765	(b) Organic Farming	✓	
14.	BC1766	(c) Ecotourism	✓	
15.	BC17P6	Major Practical VI - Genetics, Biostatistics and Bioinformatics & Biotechnology and Molecular Biology	✓	
16.	BC17P7	Major Practical VII - Microbiology and Plant Pathology & Plant Physiology and Metabolism	✓	
17.	BSK176	Skill Based Course (*SBC) – Project	✓	

Item 08/BoS 20.01/10: Approval of list of Value-Added Courses

Sub. Code	Name of the Course	Hours
VAB201	Mushroom Culture Technology	30
VAB202	Food Preservation Technology	30

Item 09/BoS 20.01/11: Approval of Online Courses

Online MOOC course can be introduced as one of the self-learning courses to the high achievers.

Item 10/BoS 20.01/12: New Measures to be undertaken by the department

- i. To cater the societal needs through hands on training – Mushroom cultivation, Roof top garden
- ii. To organize International seminar / conference

Item 11/BoS 20.01/13: Feedback Action Taken

Department	Stakeholders	Feedback received	Action Taken
Botany	Students	Value added course can be introduced	Introduced Value added course
	Parents	Satisfied with the syllabus	-
	Teacher	MOOC can be implemented to high achievers	MOOC was implemented.
	Alumni	New courses can be introduced in the syllabus	New courses were introduced

Feedback from Student Representatives

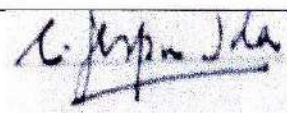
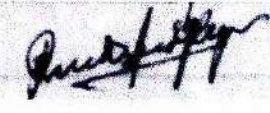
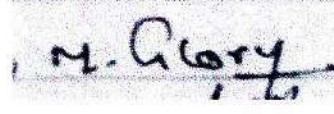
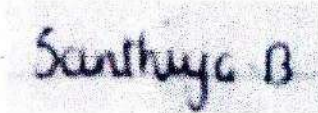
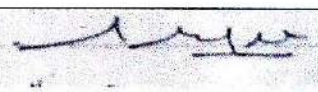



- Introduce new courses focusing on competitive examinations.
- More importance for Skill based courses

Name of the Student: N. Aji Mala *Ajimala N.*

Item 12/BoS 20.01/14: Next Meeting of the BoS

The members of the board suggested to have the next meeting of BoS in the month of December, 2020.

Item 12/BoS 20.01/15: Any Other – Nil

Sl.No	Name of the Members	Designation	Signature
1.	Dr.C.Jespin Ida	Associate Professor &Head , Holy Cross College (Autonomous), Nagercoil-4	
2.	Dr.V.R.Mohan	Associate Professor, Department of Botany, V.O.C College, Tuticorin	Absent
3.	Dr. S. Beschi Antony Rayan	Associate Professor &Head , Department of Botany, St.Xavier's College (Autonomous),Playamkottai.	
4.	Dr. M.Glory	Associate Professor, Department of Botany, St.Mary's College,Tuticorin	
5.	Ms.B.Santhiya	Alumnae, Research Scholar, Scott Christian College, Nagercoil	
6.	Mr.S.Sahaya Sathish	Industrialist,Tirunelveli	
7.	Dr. Sr. Leema Rose	Assistant Professor, Holy Cross College, Nagercoil.	
8.	Dr. A. Anami Augustus Arul	Assistant Professor, Holy Cross College, Nagercoil.	
9.	Dr. Bojaxa A. Rosy	Assistant Professor, Holy Cross College, Nagercoil	
10.	Dr. A.R. Florence	Assistant Professor, Holy Cross College, Nagercoil	