



**Department of Botany**  
**Holy Cross College (Autonomous), Nagercoil**



*Nationally Accredited with A+ by NAAC (CGPA 3.35 – IV Cycle), Nagercoil - 629004,  
Kanyakumari District, TamilNadu, India.*

**Minutes of the Botany Board of Studies meeting held on 01.12.2021 at  
10.00 AM via Google Meet –<https://meet.google.com/mnq-pihm-pbv>**

**Ref.No. BOT/BOS/2021-2022/15**

**Members:**

Dr.C.Jespin Ida	- Chairperson & Head of the Department
Dr.S.BeschiAntony Rayan	- University Nominee
Dr.N.Vasudevan	-Subject Expert
Dr.V. Anand Gideon	-Subject Expert
Mr.K.P.Srinivasakumar	-Industrialist
Ms.M. M. Shyra	- Alumna
Dr.Sr. Leema Rose	-Member
Dr.A.Anami Augustus Arul	-Member
Dr. Bojasa A.Rosy	-Member
Dr.A.R.Florence	-Member

**Agenda**

1. Prayer
2. Welcome by the Chair Person
3. Reading of the minutes of the previous meeting
4. Revamping/Revision of curriculum for III UG
5. UG Syllabus for Semester V and VI
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. Recommendation of books and journals for UG
11. Feedback and action taken
12. Next Meeting of BoS
13. Any other

The Board of Studies meeting commenced with a prayer by Dr. Sr. Leema Rose. The members of the board, the Chairperson, 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 01.02.2021**

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 Revamping/ Revision of curriculum for III UG.**

The Core and Elective courses were revised and modified for V and VI semesters.

**Item 03/BoS21.01/05: Approval of UG Syllabus for Semester V and VI**

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

The following courses during the V and VI semesters are revised/ modified based on the feedback from the Students & Alumni.

S. No.	Semester	Paper Code	Paper Title	Changes	
				Removed (if any)	Addition (if any)
1.	V	BC2051	Major Core V: Taxonomy of Angiosperms and Economic Botany	-	Modification was carried out in Unit I and II
2.	V	BC2052	Major Core VI: Biochemistry and Biophysics	-	Addition in Unit I
3.	V	BC2053	Major Core VII: Microbiology and Plant Pathology	-	Modification was carried out in Unit IV and V
4.	V	BC20PR	Major Elective III: Project	-	Newly introduced
5.	VI	BC2061	Major Core VIII: Genetics, Biostatistics and Bioinformatics	-	Minor changes were made in Unit II
6.	VI	BC2062	Major Core IX: Biotechnology and Molecular Biology	-	-
7.	VI	BC2063	Major Core X : Plant Physiology and Metabolism	-	Unit IV and V – minor changes were made
8.	VI	BC2064	a)Marine Botany	Unit II -Threats and Conservation of seaweeds and sea grasses	Unit IV- Threats and Conservation of marine organisms
9.	VI	BC2065	(b)Organic Farming	-	Unit V- Traditional farming system is added
10.	VI	BC2066	(c)Ecotourism	-	Rearrangement of topics is made in Unit I.
11.	VI	SEC203	Skill Enhancement Course(SEC) : Global Environmental Issues	-	Unit V- The topic Eco-restoration is added

## Value Added Courses

Semester	Subject code	Name of the Course	Total hours	Credit
I/II	VAB201	Mushroom Culture Technology	30	1
III/ IV	VAB202	Food Preservation Technology	30	1
I/II	VAB203	In Vitro Propagation	30	1
III/ IV	VAB204	Organic Farming	30	1
V/VI	VAB205	Microbial Technology	30	1
V/VI	VAB206	Flower, Foliage and Dry Stick Arrangement	30	1

- i. BC2051- Major Core V: Taxonomy of Angiosperms and Economic Botany – Unit I: Importance of Taxonomy was added. In Unit II, Phylogenetic system of classification by Engler and Prantl (1886) was added.
- ii. BC2052 - Major Core VI: Biochemistry and Biophysics – In Unit I: Types and information about plant resources rich in biomolecules were included.
- iii. BC2053 - Major Core VII: Microbiology and Plant Pathology - Unit III was shifted to Unit I. In Unit IV, few topics under Industrial and Environmental microbiology were added. In Unit V, the topic defence mechanism was added.
- iv. BC20PR-Major Elective III: Project: Newly Introduced
- v. BC2061 - Major Core VIII: Genetics, Biostatistics and Bioinformatics – a portion from Unit I (Genetic interaction) was shifted to Unit II.
- vi. BC2063 Major Core X: Plant Physiology and Metabolism- In Unit IV, the role of enzyme nitrogenase in nitrogen metabolism was included. In Unit V, under the topic stress physiology– environmental stresses like salt and water were added.
- vii. BC2064 Elective IV (a) Marine Botany–UnitII: The topic ‘Threats and Conservation of seaweeds and sea grasses’ was removed and in Unit IV Threats and Conservation of marine organisms was included.

- viii. BC2065 Elective IV (b) Organic Farming-Unit V-Traditional farming system is added.
- ix. BC2066 Elective IV(c) Ecotourism –Rearrangement of topics is made in Unit I.
- x. SEC203 Skill Enhancement Course (SEC): Global Environmental Issues –Newly introduced course.

**Item 04/BoS 20.01/06: Classification of New Courses**

S.No	Course Code	Title of the Course	New Courses
1.	BC2051	Major Core V: Taxonomy of Angiosperms and Economic Botany	✓
2.	BC2052	Major Core VI: Biochemistry and Biophysics	
3.	BC2053	Major Core VII: Microbiology and Plant Pathology	✓
4.	BC20PR	Major Elective III: Project	✓
5.	BC2061	Major Core VIII: Genetics, Biostatistics and Bioinformatics	✓
6.	BC2062	Major Core IX: Biotechnology and Molecular Biology	✓
7.	BC2063	Major Core X : Plant Physiology and Metabolism	✓
8.	BC2064	a) Marine Botany	
9.	BC2065	(b) Organic Farming	✓
10.	BC2066	(c) Ecotourism	
11.	SEC203	Skill Enhancement Course (SEC) : Global Environmental Issues	✓

**Item 05/BoS21.01/07: Classification of the courses as Employability/ Entrepreneurship/ Skill development**

S. No	Course Code	Title of the Course	Employability	Entrepreneurship	Skill development
1.	BC2051	Major Core V: Taxonomy of Angiosperms and Economic Botany	✓		✓
2.	BC2052	Major Core VI: Biochemistry and Biophysics	✓		✓
3.	BC2053	Major Core VII: Microbiology and Plant Pathology	✓		✓
4.	BC20PR	Major Elective III: Project			✓
5.	BC2061	Major Core VIII: Genetics, Biostatistics and Bioinformatics	✓		✓
6.	BC2062	Major Core IX: Biotechnology And Molecular Biology	✓	✓	✓
7.	BC2063	Major Core X : Plant Physiology and Metabolism	✓	✓	✓
8.	BC2064	a)Marine Botany	✓	✓	✓
9.	BC2065	(b)Organic Farming	✓	✓	✓
10.	BC2066	(c)Ecotourism	✓		✓
11.	BC20P3	Major Practical III : Taxonomy and Economic Botany & Biochemistry and Biophysics			✓
12.	BC20P4	Major Practical IV : Genetics, Biostatistics and Bioinformatics & Biotechnology and Molecular Biology			✓
13.	BC20P5	Major Practical V : Microbiology and Plant Pathology & Plant Physiology and Metabolism			✓
14.	SEC203	Skill Enhancement Course(SEC) : Global Environmental Issues			✓

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

The members of the Board classified the UG courses in the new structure based on local/national/global relevance.

S. No	Course Code	Title of the Course	Local	National	Regional	Global
1.	BC2051	Major Core V: Taxonomy of Angiosperms and Economic Botany	✓	✓	✓	✓
2.	BC2052	Major Core VI: Biochemistry and Biophysics	✓	✓	✓	
3.	BC2053	Major Core VII: Microbiology and Plant Pathology	✓	✓	✓	✓
4.	BC20PR	Major Elective III: Project				
5.	BC2061	Major Core VIII: Genetics, Biostatistics and Bioinformatics		✓	✓	✓
6.	BC2062	Major Core IX: Biotechnology And Molecular Biology		✓		✓
7.	BC2063	Major Core X : Plant Physiology and Metabolism	✓		✓	
8.	BC2064	a)Marine Botany	✓		✓	
9.	BC2065	(b)Organic Farming	✓		✓	
10.	BC2066	(c)Ecotourism	✓		✓	
11.	BC20P3	Major Practical III : Taxonomy and Economic Botany &Biochemistry and Biophysics	✓	✓		
12.	BC20P4	Major Practical IV : Genetics, Biostatistics and Bioinformatics & Biotechnology and Molecular Biology		✓		
13.	BC20P5	Major Practical V : Microbiology and Plant Pathology &Plant Physiology and Metabolism	✓	✓	✓	
14.	SEC203	Skill Enhancement Course(SEC) : Global Environmental Issues	✓			

**Item07/BoS20.01/09: Classification of the courses as Crosscutting Issues - Gender Equity/Environment and Sustainability/Human Values/Professional Ethics**

Human Values - Nil

S. No	Course Code	Title of the Course	Gender Equity	Environment and Sustainability	Professional Ethics
1.	BC2051	Major Core V: Taxonomy of Angiosperms and Economic Botany		✓	
2.	BC2052	Major Core VI: Biochemistry and Biophysics			
3.	BC2053	Major Core VII: Microbiology and Plant Pathology		✓	
4.	BC20PR	Major Elective III: Project		✓	
5.	BC2061	Major Core VIII: Genetics, Biostatistics and Bioinformatics	✓	✓	
6.	BC2062	Major Core IX: Biotechnology and Molecular Biology			✓
7.	BC2063	Major Core X : Plant Physiology and Metabolism		✓	
8.	BC2064	a) Marine Botany		✓	
9.	BC2065	(b)Organic Farming		✓	
10.	BC2066	(c)Ecotourism		✓	
11.	BC20P3	Major Practical III : Taxonomy and Economic Botany & Biochemistry and Biophysics		✓	
12.	BC20P4	Major Practical IV : Genetics, Biostatistics and Bioinformatics & Biotechnology and Molecular Biology		✓	
13.	BC20P5	Major Practical V : Microbiology and Plant Pathology & Plant Physiology and Metabolism		✓	
14.	SEC203	Skill Enhancement Course (SEC) : Global Environmental Issues		✓	



**Item 08/BoS 20.01/10: Recommendation of books and Journals**

The board recommended to include Web resources for each courses.

**Item 09/BoS20.01/11: Feedback Action Taken**

Department	Stakeholders	Feedback received	Action Taken
Botany	Students	Books can be given as study materials.	Books were provided
2.	Parents	Career oriented certificate course can be introduced.	Measures are taken to introduce career related certificate course
3.	Teacher	New value added course can be Introduced.	Implemented.
4.	Alumni	Career related courses can be introduced.	Floriculture and Gardening were introduced.

**Feedback from Student Representatives**

Field work related courses can be introduced.

Students have to be motivated to appear for competitive examinations.

Curriculum is good

Name of the student: C.M. Gayathri

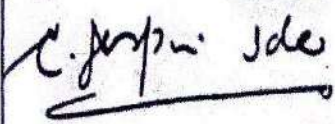
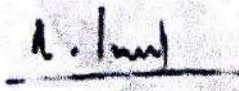



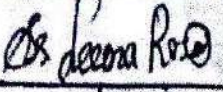


C.M. Gayathri

**Item 10/BOS 2023.05/12: Next meeting of BoS**

The board members suggested to have next BoS meeting in December 2022.

**Item 11/BOS 2023.05/13: Any Other - Nil**

The meeting ended at 3.00pm with the vote of thanks by Dr. A. Anami Augustus Arul.

Sl.No	Name of the Members	Designation	Signature
1.	Dr.C.Jespin Ida	Associate Professor & Head, Holy Cross College (Autonomous), Nagercoil-4	
2.	Dr. N. Vasudevan	Head & Associate Professor, Saraswathi Narayanan College, Madurai - 22	
3.	Dr. V. Anand Gideon	Associate Professor & Head, Bisop Heber College (Autonomous), Tiruchirappalli - 620 017	
4.	Dr. K.P. Srinivasakumar	Chief Scientific Officer, Inbiotics, Nagercoil.	
5.	Ms. M.M. Shyra	M.Phil. Student, Scott Christian College, Nagercoil - 629 003	
6.	Dr. Sr. Leema Rose	Assistant Professor, Holy Cross College, Nagercoil.	
7.	Dr. A. Anami Augustus Arul	Assistant Professor, Holy Cross College, Nagercoil.	
8.	Dr. Bojaxa A. Rosy	Assistant Professor, Holy Cross College, Nagercoil	
9.	Dr. A.R. Florence	Assistant Professor, Holy Cross College, Nagercoil	