

J.J. College of Arts and Science (Autonomous)
Sivapuram Post, Pudukkottai-622 422.
(Re-Accredited by NAAC with B Grade-4th Cycle)
Affiliated to Bharathidasan University, Tiruchirappalli

PG and Research Department of Botany

Minutes of the Meeting of the Board of Studies

Meeting No: 12

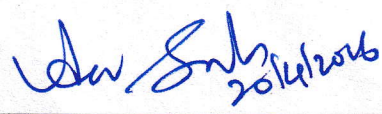
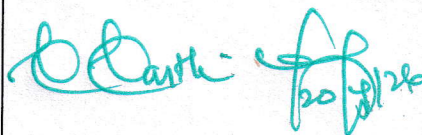
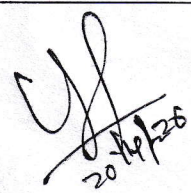
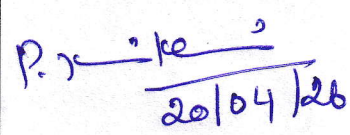
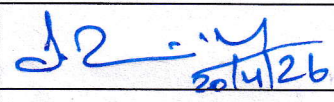
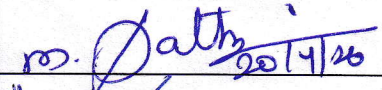
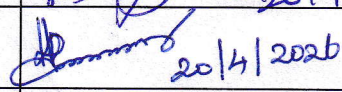
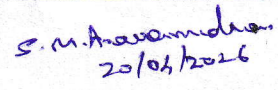
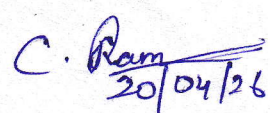
Date: 20.04.2026

Time: 11.00 a.m.

The **Twelfth Board of Studies Meeting** of the Department of **BOTANY** was held on **20.04.2026 at 11.00 a.m.** in the Department.

The following resolutions were proposed, discussed, finalized and passed in the Board of studies meeting of Department of Botany pertaining to the approval from the Academic Council of the college.

The list of the members of the Board of Studies in Botany is as given below

S No.	Name	Designation	Signature
1.	Dr. A.N. Sundar, Ph.D. Associate Professor & Head Department of Botany	Chairman	
2.	Dr. K. Karthikeyan, Ph.D. Assistant Professor Department of Botany Government Arts College (Autonomous) Kumbakonam-612503 drkkn80@gmail.com Mobile-9787797844	University Nominee	
3.	Dr. N. Vijayanand, Ph.D. Associate Professor of Botany Arumugam Pillai Seethai Ammal College. Tirupathur. vijayapsac@gmail.com Mobile-9894289088.	Subject Expert Outside the Parent University	
4.	Dr. P. Jansirani, Ph.D. Assistant Professor PG and Research Dept. of Botany The Madura College (Autonomous) Madurai Mail: Jansirani@maduracollege.edu.in	Subject Expert Outside the Parent University	
5.	Dr. S. Balavivekananthan Ph.D. Assistant Professor	Faculty Member	
6.	Dr. M. Sathish Ph.D. Assistant Professor	Faculty Member	
7.	Mr. K. Kottaisamy M.Phil (SET) Assistant Professor	Faculty Member	
8.	Mr.S. M. Aravamudhan Sugam Ayush Special Care Centre East Second Street, Pudukkottai-622 001 Mobile-7402009888.	Representative From Industry/Corporate	
9.	Mr. C. Raman 32E, Arriyandi patti, Bagavandipatti Valayapatti (PO), Ponnamaravathy, Pudukkottai.	Post Graduate Meritorious Alumnus	

It was resolved

1. To approve the revised UG and PG curriculum, in accordance with the guidelines of UGC-LOCF, NAAC, TANSCH and the Parent University.
2. To approve the Curriculum, Course Structure (Syllabi) and Textbooks recommended for implementation from the academic year 2026-2027 onwards.
3. To approve the General Course Structure for the B.Sc., and M.Sc., Botany Programmes, along with the syllabi for the first two semesters, were discussed and scrutinized for implementation from the academic year 2026-27 onwards.
4. To approve the following course structure for UG and PG Programmes respectively.

Distribution of Courses – UG

Part	Semester	Course	No. of Courses	Credit	Marks
I	1 - 4	Language – (Tamil/Hindi/French/Sanskrit)	04	12	400
II	1 - 4	Language – English	04	12	400
III	1 - 6	Core Course (Theory)	15	96 (CC – 69, AC – 18, DSE – 09)	2400
	1 - 4	Allied Course (Theory)	06		
	5 & 6	Discipline Specific Elective	03		
IV	5	Internship	01	02	100
	3, 4 & 5	Skill Enhancement Course (SEC)	03	06	1200
	1 & 2	Generic Elective Course (IDC)	02	04	
	3, 4, 5 & 6	Ability Enhancement Compulsory Course (AECC) (EVS, VE, DM, GS)	04	08	
	4 & 5	Self – Learning Course	02	04	
	6	Value Added Course	01	02	
V	3	Health and Wellness	01	01	100
	6	Extension Activity	-	01	-
Grand Total			46	148	4600

Distribution of Courses – PG

S.No.	Semester	Course	No. of Courses	Credit	Marks
1.	1 - 4	Core Courses (Theory & Practical)	12	60	1200
2.	1 & 2	Discipline Specific Elective Course	03	12	300
3.	1 - 3	Skill Enhancement Course	03	09	300
4.	3	Generic Elective Course	01	03	100
5.	4	Project Work	01	07	100
6.	3	Internship	01	02	100
7.	2	Self – Learning Course	01	02	100
Grand Total			22	95	2200
8.	4	Value Added Course (Extra Credit Course)	01	02	100

5. To approve the changes made in the curriculum based on the special feedback received from all stakeholders on the existing curricula, courses and Syllabi.
6. To adopt the revised Bloom's Taxonomy in framing the Course Outcomes.
7. To approve the newly incorporated guidelines on Curriculum Design prescribed by NAAC.
 - a. The curriculum framework has been aligned with OBE by defining POs, COs & PEOs/PSOs.
 - b. Generic Open Elective Courses for UG and PG Programmes have been designed in alignment with the CBCS to ensure curriculum flexibility.
 - c. Practical and Industry focused field work/project and Internship Training have been incorporated into the curriculum.
 - d. Skill oriented courses offered by the Departments are aligned with NCrf, NSQF, and NHEQF.
 - e. Greater focus has been given to incorporate components of Indian Knowledge Systems into the curriculum.
 - f. Online courses for UG and PG through SWAYAM / SWAYAM PLUS have been incorporated into the curriculum.
 - g. A relationship matrix mapping for COs, POs and PSOs has been implemented for all courses.
 - h. The Curriculum addresses local, regional, national and global needs.
 - i. Courses focus on Employability, Entrepreneurship and Skill Development.
 - j. Courses also emphasize Gender, Environment and Sustainability, Human Values and Professional Ethics.

8. To approve the inclusion of a self-learning course from SWAYAM / SWAYAM PLUS for the UG programme in the 4th semester, carrying two credits and 100 marks, and a subject related self-learning course offered by the department in the 5th Semester also carrying two credits and 100 marks.
9. To approve that, in the fourth semester, if a student is unable to complete the SWAYAM course, the student shall be permitted to take an optional course offered by the Department under the self-learning category only in the final semester.
10. To approve the inclusion of self-learning course from SWAYAM / SWAYAM PLUS for PG programme in the 2nd Semester carrying two credits and 100 marks.
11. To approve the inclusion of Value Added Course in the sixth semester for the UG Programme under Part – IV.
12. To approve the Value Added Course to be treated an extra credit course for all PG Programmes. The credit will not be included in CGPA.
13. To approve the new evaluation pattern of CIA – 30, ESE –70 for both UG and PG programmes as per the guidelines given by UGC and TANSCHÉ on Examination and Evaluation reforms.
14. To approve the following pattern for the calculation of CIA

UG		PG	
Category	Marks	Category	Marks
Mid-Semester	7.5	Mid-Semester	7.5
Model Exam	7.5	Model Exam	7.5
Assignment 1	05	Assignment 1	05
Assignment 2	05	Assignment 2	05
Attendance	05	Quiz / Seminar	05
Total	30	Total	30

15. To approve the following question paper pattern for the ESE – 70 marks:

S. No	Section	Marks
1	Part - A	10 x1 = 10 (5 MCQ & 5 Fill in the blanks)
2	Part - B	5 x 2 = 10 Marks
3	Part - C	5x4 = 20 marks (either... or choice/)
4	Part - D	3x10 = 30 marks (Open choice)
Total		70 marks

To approve the following evaluation pattern for the UG & PG project:

S. No	Description	Marks
1	Plan of the Project	20
2	Logical Execution of the Plan	40
3	Innovation	
4	Usage of Modern Tools / Technology	

5	Individual Contribution / Group Activity	
6	Project Report	20
7	Viva-Voce	20
Total		100

16. To approve the internship training shall be undertaken by UG students during their IV semester summer vacation and by PG students during their II semester summer vacation with duration of 15 to 21 working days.
17. To approve the continuance of awarding credits for the internship course to be reflected in the 5th Semester mark statement for UG programmes and in the III semester mark statement for PG programmes. The scheme for awarding marks for UG and PG programmes are as follows:

S. No	Description	Marks
1	Report	50
2	Viva Voce	50
Total		100

18. To continue to follow the existing evaluation system for the Health and Wellness Course

Scheme of Evaluation:

Part	Description	Marks
A	Report	40
B	Attendance	20
C	Activities (Observation During Practice)	40
Total		100

19. To approve the inclusion of Introduction to Disaster Management as Ability Enhancement Course in the 5th Semester for all UG Programmes.
20. To approve the following system for students who have not studied Tamil under Part – I (Languages).

INTERDISCIPLINARY COURSE (IDC) # FOR WHO HAVE NOT STUDIED TAMIL UNDER PART - I		
Those who have studied Tamil upto 10 th +2 but opt for other languages in degree	1 st Semester	Special Tamil - I
	2 nd Semester	Special Tamil - II
Those who have not studied Tamil in school level	1 st Semester	Basic Tamil - I
	2 nd Semester	Basic Tamil – II

Syllabus Resolution of BOS Meeting

Resolved to following 15 Core Courses for UG Botany semester wise

I Semester

1. Plant Diversity – I Algae (U1R4BOCC1) - **Units II, IV and V Modified**
2. Core Practical – I - Covering CC1 (U1R4BOCC2P)

II Semester

1. Plant Diversity – II Fungi, Bacteria, Virus, Plant Pathology and Lichens (U2R4BOCC3)
2. Core Practical-II - Covering CC3 (U2R4BOCC4P)

III Semester

1. Plant Diversity – III : Bryophytes, Pteridophytes, Gymnosperms and Paleobotany (U3R4BOCC5)
2. Core Practical – III - Covering CC5 (U3R4BOCC6P)

IV Semester

1. Anatomy and Embryology of Angiosperms (U4R4BOCC7)
2. Core Practical – IV - Covering CC7 (U4R4BOCC8P)

V Semester

1. Plant Morphology, Taxonomy and Economic Botany (U5R4BOCC9)
2. Cell Biology, Molecular Genetics and Plant Breeding (U5R4BOCC10)
3. Plant Ecology and Phytogeography (U5R4BOCC11)
4. Core Practical – V - Covering CC9,10,11 (U5R4BOCC12P)

VI Semester

1. Plant Physiology and Biochemistry (U6R4BOCC13)
2. Core Practical – VI - Covering CC13 (U6R4BOCC14P)
3. Project Work (U6R4BOCC15PW)

2. Resolved to Zoology and Chemistry Allied Courses for UG Botany

Allied Zoology - Semester I and II

1. Allied Zoology (U1R4BOAC1) – **Units II and IV Modified**
2. Allied Zoology Practical (U2R4BOAC3P)

Allied Chemistry - Semester I, II, III and IV

1. Allied Chemistry I
2. Allied Chemistry Practical
3. Allied Chemistry II
4. Allied chemistry Practical

3. Resolved to Offer Discipline Specific Elective (DSE) Courses for Semester V and VI

1. 1:1 Plant Biotechnology (U5R4BODSE 1:1)
2. 1:2 Forestry (U5R4BODSE 1:2)
3. 2:1 Aquatic Botany (U6R4BODSE 2:1)
4. 2:2 Computer Applications in Botany (U6R4BODSE 2:2)

5. 3:1 Botany for Competitive Examinations (U6R4BODSE3:1)

6. 3:2 Enzyme Technology (U6R4BODSE3:2) – **Newly introduced**

4. Resolved to Offer Skill Enhancement courses (SEC) Courses for Semester III, IV and V

1. 1:1 Herbal Technology (U3R4BOSEC 1:1)
2. 1:2 Entrepreneurial Opportunities in Botany (U3R4BOSEC 1:2)
3. 2:1 Cultivation of Algae (U4R4BOSEC 2:1)
4. 2:2 Global Climate Changes (U4R4BOSEC 2:2)
5. 3:1 Horticulture (U5R4BOSEC 3:1)
6. 3:2 Natural Resource Management (U5R4BOSEC 3:2)

5. The internship programme will be continued in the 5th semester for undergraduate students (UG), following its conduct during the 4th semester vacation.

6. Resolved to opted 2 Generic Elective Courses (GEC) from other departments for undergraduate students (UG) students during Semesters I and II.

7. Resolved to following 13 Core Courses for PG Botany Semester Wise

I Semester

1. Plant Diversity I: Algae, Fungi, Lichens and Bryophytes (P1R4BOCC 1) (**Units I and IV Modified**)
2. Plant Diversity II: Pteridophytes, Gymnosperms and Paleobotany (P1R4BOCC 2)
3. Core Practical I - Covering CC1 and CC2 (P1R4BOCC 3P)

II Semester

1. Taxonomy of Angiosperms and Economic Botany (P2R4BOCC 4) - **Content Included**
2. Anatomy and Embryology of Angiosperms (P2R4BOCC 5) - **Tittle Changed**
3. Core Practical II - Covering CC4, CC5 (P2R4BOCC 6P)

III Semester

1. Cell and Molecular Biology (P3R4BOCC 7)
2. Genetics, Plant Breeding and Biostatistics (P3R4BOCC 8)
3. Plant Physiology and Biochemistry (P3R4BOCC 9)
4. Core Practical III - Covering CC7, CC8 and CC9 (P3R4BOCC 10P)

IV Semester

1. Plant Biotechnology and Green Nanotechnology (P4R4BOCC 11)
2. Plant Ecology, Conservation Biology and Environmental Sustainability (P4R4BOCC 12)
3. Project Work (P4R4BOCC 13PW)

8. Resolved to retain the internship for the PG programme in the 3rd semester (Completed during the II semester vacation).

9. Resolved to offer the following Discipline-Specific Elective (DSE) courses for the PG programme during Semesters I and II.

1. 1:1 Microbiology, Immunology and Plant Pathology (P1R4BODSE 1:1) – **Units I, III Modified and IV Content Changed**

2. 1:2 Nano biotechnology (P1R4BODSE 1:2)
3. 2:1 Industrial Botany (P1R4BODSE 2:1) - **Newly Introduced**
4. 2:2 Herbal Technology (P1R4BODSE 2:2)
5. 3:1 Phytochemistry (P2R4BODSE 3:1)
6. 3:2 Research Methodology, Computer Applications & Bioinformatics (P2R4BODSE 3:2) – **Content Included**

10. Resolved to offer the following Skill Enhancement Courses (SEC) for the PG programme during Semesters I, II and III.

1. 1:1 Agricultural Microbiology (P1R4BOSEC 1:1)
2. 1:2 Bio- Instrumentation (P1R4BOSEC1:2) - **Unit IV Modified**
3. 2:1 Intellectual Property Rights (P2R4BOSEC 2:1)
4. 2:2 Medicinal Plant Processing Technology (P2R4BOSEC 2:2) – **Newly introduced**
5. 3:1 Organic, indoor and Terrace gardening (P3R4BOSEC 3:1)
6. 3:2 Bio-Fertilizers and Agriculture Sustainability (P3R4BOSEC 3:2)

11. Resolved to include one Generic Elective Course (IDC), to be chosen from other departments, in Semester III of the PG Botany programme.

12. “It is resolved that a meeting of the Board of Studies may be convened, if required, in the coming days to incorporate necessary curriculum modifications based on communications from the Parent University and TANSCHÉ.”