

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: 11

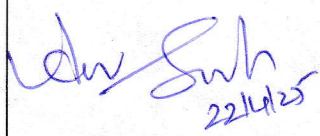
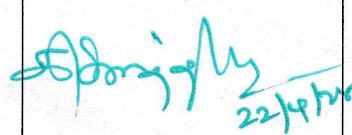
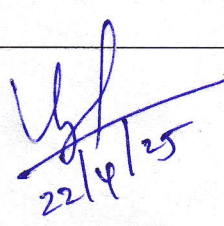
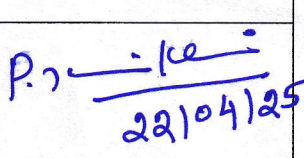
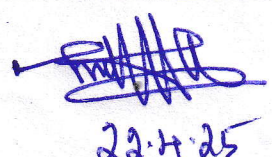
Date: 22.04.2025

Time: 11.30 a.m.

The **Eleventh Board of Studies Meeting** of the Department of **BOTANY** was held on **22.04.2025 at 11.30 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 J.J. College of Arts and Science (Autonomous) Pudukkottai- 622 422.	Chairman	 22/4/25
2.	Dr. K. Karthikeyan, Ph.D. Assistant Professor Department of Botany Government Arts College (Autonomous) Kumbakonam – 612503 drkkn80@gmail.com Mobile - 9787797844	University Nominee	 22/4/25
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	 22/4/25
4.	Dr. P. Jansirani, Ph.D. Assistant Professor Postgraduate and Research Dept. of Botany The Madura College (Autonomous) Madurai Jansirani@maduracollege.edu.in Mobile - 9952548528	Subject Expert Outside the Parent University	 22/04/25
5.	Dr. J. Mohammed Hussain, Ph.D. Assistant Professor Department of Botany J.J. College of Arts and Science (Autonomous) Pudukkottai- 622 422.	Faculty Member	 22.4.25

6.	Dr. A. Krishnapriya, Ph.D. Assistant Professor Department of Botany J.J.College of Arts and Science (Autonomous) Pudukkottai- 622 422.	Faculty Member	<i>A. Krishnapriya</i> 22/04/25
7.	Dr. R. Sabitha, Ph.D. Assistant Professor Department of Botany J.J.College of Arts and Science (Autonomous) Pudukkottai- 622 422.	Faculty Member	<i>R. Sabitha</i> 22/04/25
8.	Mr.S.M. Aravamudhan Sugam Ayush Special Care Centre East Second Street, Pudukkottai – 622 001 Mobile – 7402009888.	Representative From Industry / Corporate	<i>S.M. Aravamudhan</i> 22.04.25
9.	Mr. C. Raman 32E, Arriyandi patti, Bagavandipatti Valayapatti (PO), Ponnamaravathy Pudukkottai. Mobile - 9751015283	Post Graduate - Meritorious Alumnus	<i>C. Raman</i> 22/4/25

The Chairman, **Dr. A.N. Sundar** chaired the meeting and welcomed all the members to the meeting. After a brief introduction, the members discussed various aspects of the syllabi and the following resolutions were passed.

General Resolutions passed in the BoS Meeting:

1. In his notification No: 692/CCCD/BDU/C-1/2024, dated 30.12.2024, the Registrar i/c, Bharathidasan University, Tiruchirappalli, instructed all the higher Education institutions to include a Course on TANSCHÉ's **"Health and Wellness – U3R3HW"** as a mandatory Course in the Third Semester of the Students admitted during the Academic year 2024 - 2025 onwards **with - 01 Credit**. Hence it is resolved to include the same into the Curriculum with the following **Scheme of Evaluation with No Examination**,

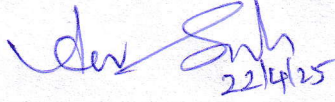
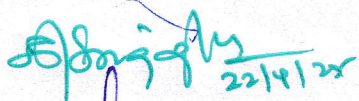
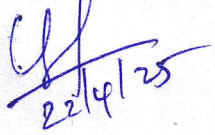
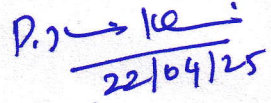
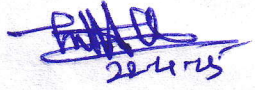
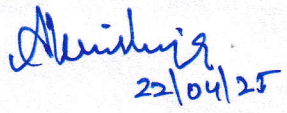
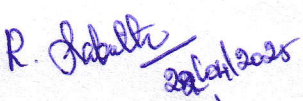
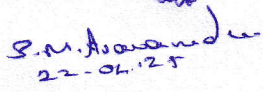
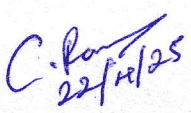
Activities (Observation during Practice)	–	40 Marks
Attendance	–	20 Marks
Report	–	40 Marks

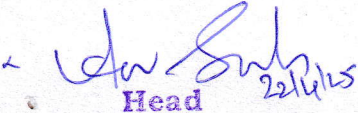
The weightage for this course will be **01 Credit with 02 teaching hours per week**.

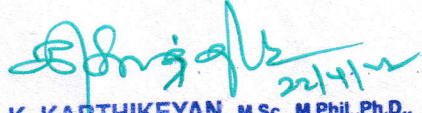
2. Resolved to have found that our Curriculum is in par with the Curriculum of our Parent University and other Universities based on the results of November 2024 Semester Examinations.
3. The Correctness and Usefulness of the Curriculum is analyzed based on the Semester Results and also the Feedback received from the Students on Curriculum.

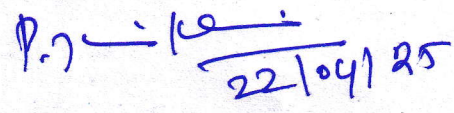
4. Resolved to motivate the B.Sc. Botany and M.Sc. Botany Students to do concurrent Courses like SWAYAM / MOOCS.
5. Motivate the B.Sc., and M.Sc. Students to do the Internship in reputed concerns as mentioned in the Curriculum.
6. Resolved to continue with the Value Added Courses offered by the Department with modifications, wherever necessary.
7. Resolved 44courses ,142 credits and 4400 marks for UG Programme and 21 Courses,90credits and 2100 marks for PG Programme.

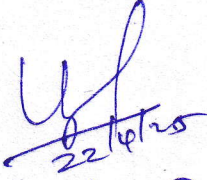
Signature of the Members

- | | | | |
|---|---|--------------------------------|--|
| 1 | 
22/4/25 | Dr. A.N. Sundar, Ph.D. | Chairman |
| 2 | 
22/4/25 | Dr. K. Karthikeyan, Ph.D. | University Nominee |
| 3 | 
22/4/25 | Dr. N. Vijayanand, Ph.D. | Subject Expert Outside the Parent University |
| 4 | 
22/04/25 | Dr. P. Jansirani ,Ph.D. | Subject Expert Outside the Parent University |
| 5 | 
22/4/25 | Dr. J. Mohammed Hussain, Ph.D. | Faculty Member |
| 6 | 
22/04/25 | Dr. A. Krishnapriya, Ph.D. | Faculty Member |
| 7 | 
22/4/25 | Dr. R. Sabitha, Ph.D. | Faculty Member |
| 8 | 
22-04-25 | Mr.S.M. Aravamudhan | Representative From Industry / Corporate |
| 9 | 
22/4/25 | Mr. C. Raman | Post Graduate Meritorious Alumnus |


Head
P.G. and Research Dept. of Botany,
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Dr. K. KARTHIKEYAN, M.Sc., M.Phil., Ph.D.,
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Cell : 9787797844


Dr. P. JANSIRANI, M.Sc., B.Ed., Ph.D., PGDCA.,
Assistant Professor,
Post Graduate & Research Department of Botany,
The Madura College (Autonomous),
Madurai - 625 011, Tamil Nadu.


Associate Professor
of Botany
A.P.S.A. College
Thirupattur.

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PG and Research Department of Botany

Course Structure for B.Sc. Botany
UG Botany 2024 – 2025

	Part	Course code	Course Title	Credit	Hrs/ Week	Marks CIA Ext		Total Marks
Sem-I	I	U1R3TL1/ HL1/FL1	Language - I (Tamil/Hindi/French)	3	6	25	75	100
	II	U1R3EL1	Language - II (English)	3	6	25	75	100
	III	U1R3BOCC1	Plant Diversity – I Algae	5	5	25	75	100
		U1R3BOCC2P	Major Practical-I (Covering CC1)	5	5	40	60	100
		U1R3BODSE1	Allied Zoology Course – I	3	4	25	75	100
	IV	U1R3SEC1 1:1/1:2/1:3	1:1. Organic farming 1:2. Environmental Biotechnology 1:3. Nursery and Landscaping	2	2	25	75	100
		U1R3BOFC1	Foundation Course Basics of Botany	2	2	25	75	100
	Total			23	30			700
Sem- II	I	U2R3TL2/ HL2/FL2	Language - I (Tamil/Hindi/French)	3	6	25	75	100
	II	U2R3EL2	Language - II (English)	3	6	25	75	100
	III	U2R3BOCC3	Plant Diversity – II – Fungi, Bacteria, Viruses, Plant Pathology and Lichens	5	5	25	75	100
		U2R3BOCC4P	Major Practical-II - Fungi, Bacteria, Viruses, Plant Pathology and Lichens	5	5	40	60	100
		U2R3BODSE2P	Allied Zoology Practical -II	3	4	40	60	100
	IV	U2R3BOSEC 2:1/2:2/2:3	2:1 Mushroom Cultivation 2:2 Herbal Medicine 2:3 Global Climate Change	2	2	25	75	100
		U2R3BOSEC 3:1/3:2	3:1 Botanical Garden and Landscaping 3:2 Organic Farming	2	2	25	75	100
	Total			23	30			700
Sem- III	I	U3R3TL3/ HL3/FL3	Language Course – III (Tamil/Hindi/French)	3	6	25	75	100
	II	U3R3EL3	Language Course – III (English)	3	6	25	75	100
	III	U3R3BOCC5	Plant Diversity – III : Bryophytes, Pteridophytes, Gymnosperms and Paleobotany	5	5	25	75	100
		U3R3BOCC6P	Major Practical – III (Covering CC5)	5	5	40	60	100

		U3R3CHDSE3	Allied Chemistry Theory	3	4	25	75	100
	IV	U3R3VE	Value Education	2	2	25	75	100
		U3R3BOSEC 4:1/4:2	4:1 Herbal Technology 4:2 Entrepreneurial Opportunities in Botany	2	2	25	75	100
		U3R3HW	“Health and Wellness”	1	2	25	75	100
	Total			24	32			800
Sem-IV	I	U4R3TL4/ HL3/FL4	Language Course – IV (Tamil/Hindi/French)	3	5	25	75	100
	II	U4R3EL4	Language Course – IV (English)	3	5	25	75	100
	III	U4R3BOCC7	Anatomy and Embryology of Angiosperms.	5	5	25	75	100
		U4R3BOCC8P	Major Practical – IV (Covering CC7)	5	5	40	60	100
		U4R3CHDSE4P	Allied Chemistry Practical	3	5	40	60	100
	IV	U4R3BOSEC 5:1/5:2	5:1 Cultivation of Algae 5:2 Fermentation Technology	2	2	25	75	100
		U4R3BOSEC 6:1/6:2	6:1 Environmental Impact Analysis 6:2 Global Climate Changes	2	2	25	75	100
		U4R3ES	Environmental Studies	2	1	25	75	100
	Total			25	30			800
Sem-V	III	U5R3BOCC9	Plant Morphology, Taxonomy and Economic Botany	5	5	25	75	100
		U5R3BOCC10	Cell Biology, Molecular Genetics and Plant breeding	4	5	25	75	100
		U5R3BOCC11	Plant Ecology and Phytogeography	4	5	25	75	100
		U5R3BOCC12P	Major Practical –V (Covering CC9, 10 &11)	4	5	40	60	100
		U5R3BODSE 5:1/5:2	5:1 Plant Biotechnology 5:2 Horticulture	3	5	25	75	100
		U5R3BODSE 6:1/6:2	6:1 Bio Nanotechnology 6:2 Forestry	3	5	25	75	100
	IV	U5R3BOINT	Internship	2	-	-	-	100
	Total			25	30			700
Sem-VI	III	U6R3BOCC13	Plant Physiology and Biochemistry	4	6	25	75	100
		U6R3BOCC14P	Major Practical – VI (Covering CC13)	4	5	40	60	100
		U6R3BOCC15PW	Project Work	4	6	-	-	100
		U6R3BODSE 7:1/7:2	7:1 Computer Applications in Botany 7:2 Forensic Botany	3	5	25	75	100
		U6R3BODSE 8:1/8:2	8:1 Vermitechnology 8:2 Natural Resource Management	3	3	25	75	100
	IV	U6R3BOSEC 7:1/7:2	7:1 Botany for Competitive Examinations 7:2 Aquatic Botany	2	3	25	75	100
		U6R3GS	Gender Studies	1	2	25	75	100
		-	Extension Activity	1	-	-	-	-
	Total			22	30	-	-	700
	Grand Total			142	-	-	-	4400

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Sem	Course code	Course Title	Credit	Hrs/ Week	Marks CIA Ext		Total Marks
Sem- I	P1R3BOCC1	Plant Diversity - I: Algae, Fungi, Lichens and Bryophytes	5	7	25	75	100
	P1R3BOCC2	Plant Diversity - II: Pteridophytes, Gymnosperms and Paleobotany	5	7	25	75	100
	P1R3BOCC3P	Practical I- Covering CC1 and CC2	4	6	40	60	100
	P1R3BODSE 1:1/1:2/1:3/1:4	1. Microbiology, Immunology and Plant Pathology 2. Conservation of Natural Resources and Policies 3. Mushroom Cultivation 4. Phytopharmacognosy	3	5	25	75	100
	P1R3BODSE 2:1/2:2/2:3/2:4	1. Algal Technology 2. Ethnobotany, Naturopathy and Traditional Healthcare 3. Horticulture 4. Herbal Technology	3	5	25	75	100
	Total		20	30	-	-	500
Sem II	P2R3BOCC4	Taxonomy of Angiosperms and Economic Botany	5	5	25	75	100
	P2R3BOCC5	Plant Anatomy and Embryology of Angiosperms	5	5	25	75	100
	P2R3BOCC6P	Practical II – (Covering CC4, CC5)	4	5	40	60	100
	P2R3BODSE 3:1/3:2/3:3/3:4	1. Medicinal Botany 2. Phytochemistry 3. Research Methodology, Computer Applications & Bioinformatics 4. Bio pesticide Technology	3	5	25	75	100
	P2R3BODSE 4:1/4:2/4:3	1. Applied bioinformatics 2. Intellectual Property Rights 3. Nano biotechnology	3	5	25	75	100
	P2R3BOSEC 1:1/1:2	1. Agriculture and Food Microbiology 2. Biostatistics	2	5	25	75	100
	Total		22	30	-	-	600
Se m .	P3R3BOCC7	Cell Biology and Molecular Biology	5	6	25	75	100

	P3R3BOCC8	Genetics, Plant Breeding and Biostatistics	5	5	25	75	100
	P3R3BOCC9	Plant Physiology and Biochemistry	5	5	25	75	100
	P3R3BOCC10P	Practical – III (CC7, CC8 and CC9)	5	5	60	40	100
	P3R3BODSE 5:1/5:2	1. Organic, Indoor and Terrace Gardening 2. Bio-instrumentation	3	4	25	75	100
	P3R3BOSEC 2:1/2:2	1. Intellectual Property Rights 2. Bio-Fertilizers and Agriculture Sustainability	2	4	25	75	100
	P3R3BOINT	Internship	3	-	-	-	100
	Total		28	30			700
Sem - IV	P4R3BOCC11	Plant Biotechnology and Green Nanotechnology	5	5	25	75	100
	P4R3BOCC12	Plant Ecology, Conservation Biology and Environmental Sustainability	5	5	25	75	100
	P4R3BOCC13PW	Project Work	10	20	-	-	100
	Total		20	30			300
	Grand Total		90	-	-	-	2100