

KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)
COIMBATORE – 641 029

DEPARTMENT OF BOTANY

Resolution of the Board of Studies in UG and PG Botany dated 26.05.2023

Further to the communication received from the Bharathiar University No. BU/S2/S3/BOS Meet/Syll. Rev/2023 dated 11.05.2023 with regard to the syllabus revision for the Academic year 2023-2024 for all the UG/PG degree programmes, the Board of Studies in Botany which met online on 26.05.2023 through hereby resolve to:

- Adopt the pattern of Examination with External 75 marks and Internal 25 marks in lieu of the 50: 50 for the students admitted from the academic year 2023-24 and onwards
- As per the instructions from the Higher Education Department, Tamil Nadu, The Language courses (Tamil and English - 4 semesters) are included in the UG Programmes.
- A revised template of Scheme of Syllabi and Curriculum with the necessary inclusions as indicated in the Model Template provided by the Bharathiar University is adopted from the academic year 2021-22 and onwards.
- The Scheme and Curriculum that was approved by the BOS meeting held on 28.04.2023 has been revised and it is decided to adopt the new Scheme of Curriculum and the Syllabus which was approved for the academic year 2022-23 and onwards for the academic year 2023-24.

The following were the proposed changes made in UG, PG, Certificate course and PG Diploma course curriculum and they were as follows:

PG Programme

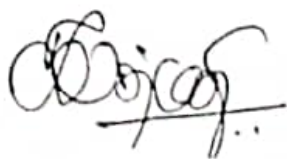
Semester	Course Code	Name of the Course	Changes Made (Introduced/Revised)
I	23PBO101	C.P. 1 – Plant Diversity - I	Revised the syllabus by including the topics <ul style="list-style-type: none"> ➤ Application of Machine learning (ML) techniques in Algae in Unit II. ➤ Identification of Lichens using ICT tools: Artificial Intelligence (AI), MATLAB software, Image processing techniques in Unit V
II	23PBO204	C.P. 4 - Bioinformatics	Revised the syllabus by including the topics Artificial Intelligence and its impacts in Bioinformatics in Unit III
II	23PBO206	C.P. 6 – Ecology, Bioenergetics and Natural Resource Management	Revised the syllabus by including the topics <ul style="list-style-type: none"> ➤ Artificial Intelligence (AI) and expert systems in Ecology and importance of Machine Learning (ML) in Unit V.
III	23PBO307	C.P. 7 – Taxonomy and Biosystematics	Revised the syllabus by including the topics <ul style="list-style-type: none"> ➤ Plant species identification using CLEF, IDAO and LEASYS in Unit II
III	23PBO3IT	Internship Training	Introduced Internship training
Non-Major Elective			Introduced a Paper - Advancements in Industry 4.0.
JOC 1: Floriculture and Landscaping			Revised the syllabus by including the topics <ul style="list-style-type: none"> ➤ “Miniature Garden, and Computer aided designing (CAD) for outdoor and indoor scaping” in

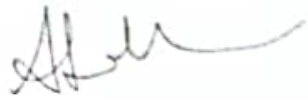
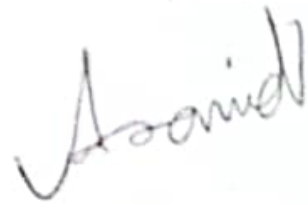

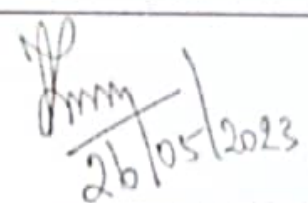
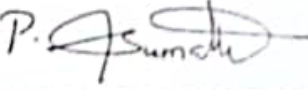
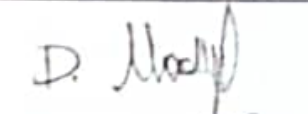
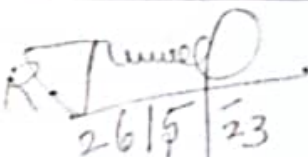
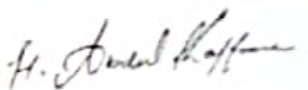
	Unit IV.
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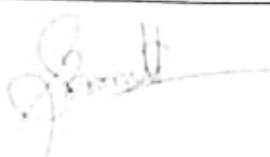
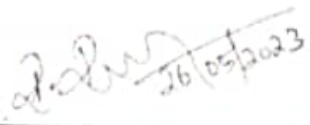
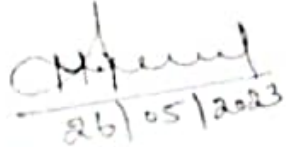
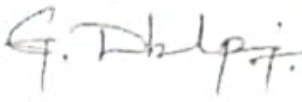



UG Programme

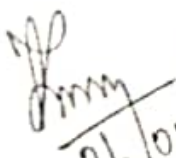
Semester	Course Code	Name of the Course	Changes Made (Introduced/Revised)
IV	23UBO404	C.P. 4 – Cytology, Genetics and Plant breeding	Revised the syllabus by including the topics ➤ Artificial Intelligence in Current breeding practices in Unit V
V	23UBO506	C.P. 6 - Taxonomy of Angiosperms and Economic Botany	Revised the syllabus by including the topics ➤ Molecular markers (RFLP and RAPD) and DNA barcoding. ➤ Machine Learning using Digitalized herbarium specimens in Unit II
V	23UBO507	C.P.7 – Plant Ecology, Phytogeography and Resource Conservation	Revised the syllabus by including the topics ➤ Application of Artificial Intelligence in Ecology in the Unit V.
VI	23UBO610	C.P.10 – Plant Physiology	Revised the syllabus by including the topics ➤ Monitoring Photosynthetic pigments using Remote Sensing in Unit III
Major Elective			Introduced a Paper - Introduction of Industry 4.0

Signature of the Board Members

S. No.	NAME	DESIGNATION	SIGNATURE
1.	Dr. K. Padmavathi (University Nominee)	Principal, Government Arts and Science College, Government Boys Higher Secondary School Campus, Five Corner,	

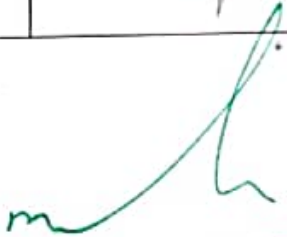
		Dharapuram - 638661	
2.	Dr. A. Lakshmi Prabha (Subject Expert)	Professor, Department of Botany, Bharathidasan University, Tiruchirappalli - 620024	
3.	Dr. P. Umamaheswari (Subject Expert)	Associate Professor & Head, Department of Botany, Sri Sarada College for Women, Salem - 636016	ABSENT
4.	Dr. K.M. Aravinthan (Industrialist)	A 402 Oak Canopy, Kallimadai Road, Singanallur, Coimbatore - 641005	
5.	Dr. M. Murugesan (Meritorious Alumni)	Scientist C, Botanical Survey of India, Southern Regional Centre, TNAU Campus, Coimbatore - 641003	 26/5/2023
6.	Dr. K. Thenmozhi (Chairman)	Assistant Professor & Head	 26/05/2023
7.	Dr. P. Sumathi (Member)	Assistant Professor	
8.	Dr. K. Karthika (Member)	Assistant Professor	On Maternity Leave
9.	Dr. D. Moorthy (Member)	Assistant Professor	
10.	Dr. R. Thirugnanasampandan (Member)	Assistant Professor	 26/5/23
11.	Dr. K. Sowndhararajan (Member)	Assistant Professor	ABSENT
12.	Dr. H. Abdul Kaffoor (Member)	Assistant Professor	

13.	Dr. P. Revathi (Member)	Assistant Professor	
14.	Dr. R. Rekka (Member)	Assistant Professor	 26/05/2023
15.	Dr. M. Parveen (Member)	Assistant Professor	 26/05/2023
16.	Dr. G. Dhandapani (Member)	Assistant Professor	
17.	Dr. V. Aravindhyan (Member)	Assistant Professor	
18.	Mr. S. Sevel (212BO003) (Student Representative)	II M.Sc., Botany	
19.	Ms. E. Sowmiya (201BO007) (Student Representative)	III B.Sc., Botany	


26/05/2023

Signature of the Chairman of the Board

HEAD
Department of Botany
Kongu Nadu Arts & Science College
Coimbatore - 641 029


25/7/23

Signature of the Principal

PRINCIPAL
KONGUNADU ARTS & SCIENCE COLLEGE
COIMBATORE-641 029.

