

Kongunadu Arts and Science College (Autonomous)
Coimbatore 641029

Department of Biotechnology

Minutes of the Board of Studies:

The Board of Studies meeting was held on 04.05.2024 at 10.00 AM at PG and Research Department of Biotechnology. The Chairman welcomed and outlined the changes to be made in the following for the board approval.

Preamble:

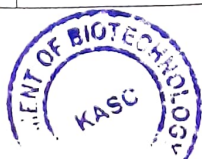
The chairman Dr. B.Vishnupriya gave an introduction on the scheme of examination and syllabi. The board members prepared the draft syllabi by incorporating the advanced content from each course of existing syllabi of 2023-24 and it was considered by the board chairman. The board members have taken more attention towards implementing Skill Based Subject 2: Traditional Indian Technology and Biobusiness in UG programme by merging two Skill Based Subjects Hydroponics Herbal Technology and BioBusiness Project Management. Traditional Knowledge System is incorporated in Biopharmaceuticals (UG) and Pharmaceutical Biotechnology (PG) programme for the academic year 2024-25 for enhancing the core domain based skills of the graduates.

Item 1. To consider revision in the Curriculum, Scheme of Examination and Syllabi of UG/PG/Certificate / Diploma courses and approval.

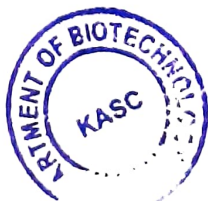
As per the suggestions and recommendations given by the various Stakeholders on the above items discussed, the existing/minor changes are included in the Scheme of Curriculum / Scheme of Examination / Syllabi and Panel of Examiners are to be followed is annexed herewith for the implementation from the commencement of the Academic year 2024 - 2025.

The members after careful scrutiny of the changes to be made unanimously accorded approval for the proposed changes/modifications. They also resolved to authorize the Chairman of Board of Studies to place the changes/modifications now approved by the BOS before the Standing Committee on Academic affairs and Academic Council.

B. Sc BIOTECHNOLOGY			
Semester	Course Code	Name of the Course	Changes made
I	24 UBT101	Core Paper1 – Cell Biology and Genetics	suggested to include recent references
II	24 UBT202	Core Paper 2 – Bioinstrumentation	Distribution of hrs uniformly for units Unit II – suggested to include Refrigerator centrifugation Unit III – suggested to include Basic Microscope – Compound, phase contrast microscope



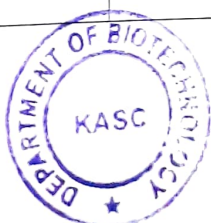
	24UBT203	Core Paper 3 –Microbiology	Unit II: suggested to include Fluorescent staining and swap sterilization first followed by culture media Unit V: include industrially beneficial bacteria
I and II	24UBT2CL	Core Practical 1 – Lab in Cell biology, Genetics and Microbiology	No changes were suggested
III	24UBT304	Core Paper 4 – Enzymology and Metabolism	Unit I: suggested to include restriction enzyme Change Unit IV to V and vice versa suggested to include Industrial enzymes amylase, lipase and protease
	24UBT305	Core Paper 5–Molecular Biology	Unit IV: Self study include Reverse Transcriptase
IV	24UBT406	Core Paper 6–rDNA Technology	Unit II: combine all the yeast vectors and move the cloning host to the end of the same unit Unit IV: suggested to include rDNA applications in agriculture Include DNA hybridization techniques
	24UBT4CM	Core Practical 2- Lab in Enzymology, Molecular Biology and rDNA Technology	Enzymology: suggested to include catalase, oxidase experiments and remove the other biochemical experiments accordingly
	24UBT4S2	Skill Based subject 2-Herbal Technology and Hydroponics	Skill based subject 2: Title changed as ,‘Traditional Indian Technology and Biobusiness’. Merged the subjects herbal technology hydroponics and Biobusiness Project management from Unit I to IV UNIT V: Included Indigenous traditional knowledge practices
	24UBT507	Core Paper 7–Immunology	No changes were suggested



V	24UBT508	Core Paper 8 – Plant and Animal Biotechnology	Unit I: Suggested to remove genome organization Unit II: suggested to include Invitro germplasm conservation
	24UBT509	Core Paper 9– Genomics and Proteomics	Unit I: suggested to include eukaryotic genome and move the genome mapping to unit II.
	24UBT5CN	Core Practical 3–Lab in Immunology, Plant and Animal Biotechnology	PABT: Swap 1 to 2 and vice versa. 3- Embryo culture; 4- callus induction and cell culture. ABT: mention different types of animal media and zebra fish structure and study
VI	24UBT610	Core Paper 10–Bioprocess Technology	Unit I: suggested to include only auxotroph mutant Unit II: include Upflow Aerobic Sludge Bioreactor (UASBR)
	24UBT611	Core Paper 11– Biopharmaceuticals	Unit I: included traditional knowledge system
	24UBT612	Core Paper 12- Bioinformatics	No changes suggested
	24UBT6CO	Core Practical 4 –Lab in Bioprocess Technology & Biopharmaceuticals	Pre lab experiments to include working model of bioreactor

M. Sc BIOTECHNOLOGY			
Sem.	Course code	Name of the Course	Changes made
IV	24PBT411	Core Paper 11: Pharmaceutical Biotechnology	Unit I and V: Included Traditional Knowledge System (TKS)

PG Diploma in Bioinformatics			
Sem.	Course code	Name of the Course	Changes made
		PG Diploma in Bioinformatics	No changes suggested



Item 2. To suggest the panel of names for appointment of examiners.







The members of the board of studies in Biotechnology authorised the chairperson Dr. B.Vishnupriya to submit the list of examiner panel for question paper setting, evaluation and practical examination.

Item 3. Other academic activities in the department.

The board of studies members suggested collaborating with start-ups/industries/research institute for seminar, workshop, internship training. Based on the skills acquired from the training, the project work to be done to obtain their under graduate and post graduate programme.



Signature of the Board Members

S.No.	Name	Designation	Signature
1.	Dr.B Vishnupriya Chairman	Assistant Professor and Head Department of Biotechnology	
2.	Dr. M. Gnanam University Nominee	Professor and Head (Retd) Department of plant Biotechnology and Bioinformatics CPMB – TNAU Coimbatore – 641003	
3.	Dr. S. Karuthapandian Subject Expert	Former Professor and Head Honorary Professor in Biotechnology Alagappa University Karaikudi	ABSENT
4.	Dr. H. Shakila Subject Expert	Professor and Head Department of Biotechnology Madurai Kamaraj University Madurai – 625021	
5.	Dr. S. Aravindh Industry Expert	CEO Elies Biotech Pvt Ltd Arjuna Nagar, ThaneerpanthalPalayam Asokapuram Erode -638004	
6.	Mr. S. Ganesh Alumini	Project Associate Ganga Orthopedic Hospital Saibaba Colony Coimbatore	ABSENT
7.	Dr.R Sathish Kumar Board Member	Assistant Professor PG and Research Department of Biotechnology	
8.	Dr S Bhargavi Board Member	Assistant Professor PG and Research Department of Biotechnology	

Signature of the Chairman of the Board

(Dr B Vishnupriya)

