

ANNUAL / SPECIAL GENERAL

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CODE : CSA 008 MEETING NO. / सभा नं _____ DATE / तारीख _____

RESOLUTION NO. उठाव नं	PRESENT MEMBERS AND RESOLUTIONS हजर सभासद व उठाव	REMARKS शेरा
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PG and Research Department of Biotechnology

Jamal Mohamed College (Autonomous)

College with Potential for Excellence

Re-Accredited (3rd Cycle) with 'A' Grade by NAAC

(Affiliated to Bharathidasan University)

Tiruchirappalli – 620 020

MINUTES OF THE EXTERNAL BOARD OF STUDIES IN BIOTECHNOLOGY
HELD ON 25.09.2021

External Board of studies meeting in the Department of Biotechnology was conducted on 25.09.2021 at 10.00 AM through online mode using Microsoft teams. The following members were present in the meeting:

S.No	Members	Category
1.	Dr. A. Sadiq Bukhari - Coordinator	Chairman
2.	Dr.T.Sivasudha Associate Professor Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli-620024	VC Nominee
3.	Dr.S.Sivaramakrishnan Head & Associate Professor Department of Biotechnology Bharathidasan University, Tiruchirappalli-620024	Subject Expert- Academic Council Nominee
4.	Dr.K.Anbarasu Head & Associate Professor Dept of Marine Biotechnology, Bharathidasan University, Tiruchirappalli-620024	Subject Expert- Academic Council Nominee
5.	Dr. J. Sebastin Raj Assistant Professor & MID	Member
6.	Dr. T. Nargis Begum Assistant Professor	Member
7.	Dr. K. Gobalan Assistant Professor	Member
8.	Dr.Y. Arsia Tarnam Assistant Professor	Member
9.	Dr. S. Benazir Begum Assistant Professor	Member
10.	Mrs. H.F. Seyed Mafiya Haniff Assistant Professor	Member
11.	Dr. S. Deborah Assistant Professor	Member

MEETING MINUTE BOOK

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The coordinator **Dr. A. Sadiq Bukhari** welcomed the members and in his introductory remarks, he presented the agenda of the meeting. Discussion based on the agenda were carried out.

- Agenda:**
- To review the course pattern and finalise the New Syllabi for III UG programmes (Semester V and VI) of 2020 regulations.
 - To discuss the course content of UG (Semester V and VI) Syllabi which is implemented from the academic year 2022-23

The following courses were discussed in External Board of studies meeting are:

SE M	Course Code	Part	Course	Course Title	Ins. Hrs /Week	Credit	Marks		Total
							CIA	ES E	
V	20UBT5CC9	III	Core – IX	Plant and Animal Physiology	6	5	25	75	100
	20UBT5CC10		Core – X	Enzymology	5	5	25	75	100
	20UBT5CC11		Core – XI	Immunology	5	5	25	75	100
	20UBT5CC12P		Core - XII	Plant and Animal Physiology, Enzymology, Immunology - Practical	5	5	20	80	100
	20UBT5DE1	IV	DSE – I **		5	4	25	75	100
	20UBT5SE2		Skill Enhancement Course -II @		2	2	-	100	100
	20UBT5SE3		Skill Enhancement Course -III @		2	2	-	100	100
	20UBT5EC1		Extra Credit Course - I	General Intelligence for competitive examinations	-	4*	--	100*	100*
	TOTAL				30	28			700
VI	20UBT6CC13	III	Core– XIII	Plant Biotechnology	5	5	25	75	100
	20UBT6CC14		Core– XIV	Animal Biotechnology	5	5	25	75	100
	20UBT6CC15		Core - XV	Bioinformatics and Biostatistics	5	5	25	75	100
	20UBT6CC16P		Core - XVI	Plant Biotechnology, Animal Biotechnology and Bioinformatics and Biostatistics- Practical	5	5	20	80	100
	20UBT6DE2	IV	DSE – II **		5	4	25	75	100
	20UBT6DE3		DSE – III **		4	4	25	75	100
	20UCN6AE3		AEC-III	Gender Studies	1	1	100	-	100
	20UBT6EC2		Extra Credit Course - II	Biotechnology for competitive examinations	-	4*	--	100*	100*
	20UBTAECA		Extra Credit Course for all	Online Course	-	1*	--	-	-

@ Skill Enhancement Course

SEMESTER	COURSE CODE	COURSE TITLE
V	20UBT5SE2A	Environmental Biotechnology
	20UBT5SE2B	Basics of Forensic Science
	20UBT5SE3A	Industrial Fermentations
	20UBT5SE3B	Molecular Diagnostics



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** Discipline Specific Electives

SEMESTER	COURSE CODE	COURSE TITLE
V	20UBT5DE1A	Genomics and Proteomics
	20UBT5DE1B	Ecology and Environment Management
VI	20UBT6DE2A	Bioanalytical tools
	20UBT6DE2B	Medical Microbiology
	20UBT6DE3A	IPR, Biosafety and Bioethics
	20UBT6DE3B	Cancer and Stem Cell Biology

Discussions based on the agenda were carried out.

- 1) Resolved to review the pattern, course structure with title, syllabi and reference for III UG programmes.
- 2) Plant and Animal Physiology (course code: 20UBT5CC9) paper 40% of changes are made in Unit 1 and Unit 2 compared to 2017 syllabi and resolved to include comparative study of Animal Physiology.
- 3) Paper Enzymology (course code: 20UBT5CC9) ~~are~~ newly introduced as core paper in this curriculum.
- 4) Immunology (course code: 20UBT5CC11) paper, 12% of changes are made compared to 2017 syllabi and resolved to add Auto-immune disorders and HLA antigens in Unit IV.
- 5) Plant and Animal Physiology, Enzymology, Immunology - Practical (course code: 20UBT5CC12P) paper, 75% of changes are made and resolved to remove Radial immudiffusion practical and add ELISA and FACs in Immunology practical.
- 6) Genomics and Proteomics (course code: 20UBT5DE1A) paper no changes were made in the syllabi and resolved to remove Yeast two hybrid system in Unit IV.
- 7) Ecology and Environment Management (course code: 20UBT5DE1B) paper are newly introduced as DSE in this curriculum.

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- 8) Environmental Biotechnology (course code: 20UBT5SE2A) paper, 5% of changes were made in the syllabi and resolved to add Medical wastes and e- wastes treatment in Unit II.
- 9) Basics of Forensic Science (course code: 20UBT5SE2B) paper, 8% of changes were made in the syllabi and resolved to add forensic science laboratory in India and Globe, career opportunities and laboratory organization in Unit I and also include role of Insects in Forensic science in Unit IV.
- 10) In the paper Industrial Fermentations (course code: 20UBT5SE3A), 5% of changes were made in the syllabi and resolved to include designing of a fermentor in Unit I and challenges during fermentation in Unit V.
- 11) Molecular Diagnostic (course code: 20UBT5SE3B) paper are newly introduced skill enhancement course in this curriculum and resolved to include Bioinformatics analysis tools in Unit IV.
- 12) Plant Biotechnology (course code: 20UBT6CC13) paper, 12% of changes are made compared to 2017 syllabi and resolved to add status of Transgenic plant around the globe in Unit IV
- 13) Animal Biotechnology (course code: 20UBT6CC14) paper, 50% of portions were included compared to 2017 syllabi.
- 14) Bioinformatics and Biostatistics paper (course code: 20UBT6CC15), 5% of changes were made in the syllabi and resolved to add some software in Molecular Docking in Unit III.
- 15) In the paper Plant Biotechnology, Animal Biotechnology and Bioinformatics and Biostatistics- Practical (course code: 20UBT6CC16P) no changes were made in the syllabi.
- 16) In Bioanalytical tools paper (course code: 20UBT6DE2A) are newly introduced as DSE II in this curriculum and resolved to add different types of rotors in Unit I and remove Radioactivity topic in Unit III.

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17) In the paper Medical Microbiology (course code: 20UBT6DE2B) are newly introduced DSE II in this curriculum.

18) In IPR, Biosafety and Bioethics paper (course code: 20UBT6DE3A), 2% of changes were made in the syllabi and resolved to add Institution for Biosafety Committee in Unit V.

19) In Cancer and Stem Cell Biology paper (course code: 20UBT6DE3B) no changes were made in the syllabi and resolved to change topic as Stem Cell Therapy in Unit V.

20) Biotechnology for competitive Examinations (Course code: 20UBT6EC2) paper, are newly introduced Extra Credit Course in this curriculum.

Dr.K.Anbarasu

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Dept of Marine Biotechnology,
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Dr.S.Sivaramakrishnan

Head & Associate Professor
Department of Biotechnology
Bharathidasan University,
Tiruchirappalli-620024

Dr.T.Sivasudha

Associate Professor
Department of Environmental
Biotechnology,
Bharathidasan University,
Tiruchirappalli-620024

A. Sadiq Bukhari
Dr. A. Sadiq Bukhari
Co-ordinator

Dr. J. Sebastin Raj

Assistant Professor/MID

T. Nargis Begum
Dr. T. Nargis Begum
Assistant Professor

Dr. K. Gobalan

Assistant Professor

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Assistant Professor

Dr. S. Deborah

Assistant Professor

A. Sadiq Bukhari
Dr. A. Sadiq Bukhari
(Chairman)

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MEETING NO. / सभा नं

DATE / तारीख 12.03.2022

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RESOLUTION NO. ठराव नं	PRESENT MEMBERS AND RESOLUTIONS हजर सभासद व ठराव	REMARKS शेरा
	Minutes of the Value Added course External Board of Studies meeting of Dept. of Biotechnology held on 12.03.2022. External Board of Studies meeting of Dept. of Biotechnology was held on 12.03.2022 at 11.30 am in Biotech Lab. The following members attended the meeting. <u>Agenda:</u> Three value added courses to be offered to II UG, III UG and II PG students those who are admitted in the academic year 2021-22. <u>Members Present:</u> Dr. A. Sadig Bukhari - Chairman. Dr. K. Anbarasu, Asso. Prof / BDU - Subject Expert. Dr. S. Sivaramakrishnan, Asso. Prof / BDU - " " Dr. T. Sivasudha, Asso. Prof / BDU - Uni. Nominee Mr. S. Manikandan, SM - Biotech - Industry Expert. Dr. J. Sebastian Raj - Member Dr. T. Nargis Begum - " Dr. K. Gobalan - " Dr. S. Benazir Begum - " Mrs. H.F. Seyed Mafia Haniff - " Dr. S. Deborah - " Ms. M. Habibunisha - " The chairman of BOS Dr. A. Sadig Bukhari welcomed the members and presented the agenda of the meeting. Discussion based on the agenda were carried out.	

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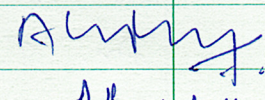
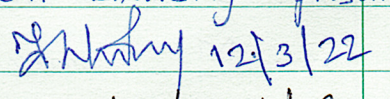
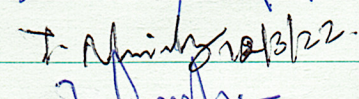
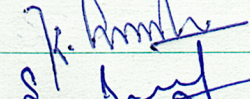
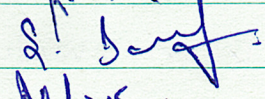
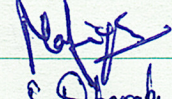
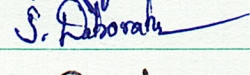
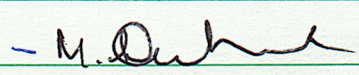
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1.	Resolved to carry out the changes that are suggested by the members of external committee.	
2.	Resolved to offer two VAC to UG students and one VAC for PG students in odd Semesters. * Economic Biotechnology - II UG Students * Vermicomposting Technology - III UG Students * Clinical Research & Pharmacovigilance - II Ph Stud.	
3.	Resolved to include some practical aspects in both VAC to develop entrepreneur skills for the students.	
4.	Resolved to add field visit in any pharmaceutical Industry in Ph Value added course.	
5.	Resolved to rename solid waste management as Vermicomposting Technology for III UG value added course.	
6.	Resolved to add Good Manufacturing Practices in clinical Research and Pharmacovigilance course in Unit V.	
	Dr. A. Sadiq Bukhari - chairman - 	
	Dr. K. Anbarasu - BDU - Subject Expert - Attended through online	
	Dr. S. Sivaramakrishnan - BDU - " " - " " "	
	Dr. T. Sivasudha - BDU - Uni. Nominee - " " "	
	Mr. S. Manikandan - SM Biotech - Industry Representative - "	
	Dr. J. Sebastian Raj -  12/3/22.	
	Dr. T. Nargis Begum -  12/3/22.	
	Dr. K. Gobalan - 	
	Dr. S. Benazir Begum - 	
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