

J.J. College of Arts and Science (Autonomous)

J.J. Nagar, Sivapuram Post, Pudukkottai – 622 422

(Re-Accredited by NAAC – 4th Cycle)

Affiliated to Bharathidasan University, Tiruchirappalli

PG and Research Department of Microbiology

Minutes of the Board of Studies Meeting

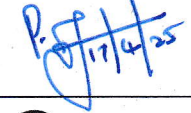
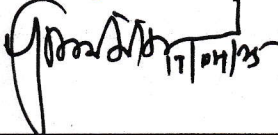
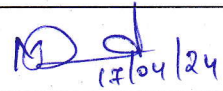
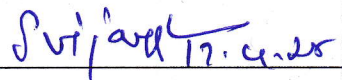
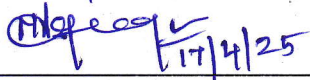
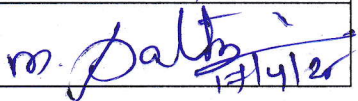
Meeting No: 09

Date : 17.04.2025

Time : 11.00 a.m.

The Meeting of the Board of Studies in Microbiology (U.G. and P.G.) was held at 11.00 a.m. on 17.04.2025 (Thursday) to evaluate the revised Curriculum (R3) during the year 2023-2024.

Members Present:

S.No.	Name	Designation	Signature
1.	Dr.P.Jeevan Head Department of Microbiology	Chairperson	
2.	Dr.G.Muralitharan Professor Department of Microbiology, Bharathidasan University, Tiruchirappalli	University Nominee	
3.	Dr.A.Arun Professor and Head Department of Microbiology Alagappa University Karaikudi – 630 003	Subject Expert	
4.	Dr.P.U.Mahalingam Professor Department of Biology The Gandhigram Rural Institute (Deemed to be University) Dindigul – 624 302	Subject Expert	Absent
5.	Dr.M.Poornima Assistant Professor	Member	
6.	Ms.S.Vijaya Samoondeswari Assistant Professor	Member	
7.	Dr.M.Anjugam Assistant Professor	Member	
8.	Dr.K.Surendirakumar Assistant Professor	Member	
9.	Dr.M.Sathish Assistant Professor	Member	

10.	Mr.M.Ramesh Assistant Manager Quality Control E.I.D – Parry (India) Limited Oonaiyur Village, Pudukkottai	Representative from Industry	
11.	Ms.T.Pavithra Lab Technician Dr.Adityan Skin and Hair Laser Center, Asoke Nagar, Chennai	Alumni	Absent

The Chairman, Dr.P.Jeevan chaired the meeting and welcomed all the members to the ninth BoS Meeting. After the brief introduction, the following resolutions were discussed and passed.

RESOLUTIONS

1. It is resolved to introduce a course titled “**Health and Wellness**”- U3R3HW (under Part- V) in the third semester of the U.G Programme for students admitted from the Academic Year 2024-2025 in keeping with the instructions from the Parent University. (Vide . Letter from Registrar i/c No.692/CCCD/BDU/C-1/2024, dated 30.12.2024). The syllabus will be as indicated by TANSCHÉ and the evaluation would be as follows, with no formal examination.

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

The weightage for this course will be 01 credit – 02 teaching hours per week.

2. To review the existing curricula and courses and make changes wherever necessary in the light of stake holder’s feedback.
3. It is resolved to motivate the students to do concurrent Courses under SWAYAM / MOOCS.
4. It is resolved to continue with the Value-Added Courses offered by the Department with modifications, wherever necessary.
5. It is resolved to incorporate **Indian Knowledge System (IKS)** in Environmental and Agriculture Microbiology (U5R3MBCC10) Semester V.
 - Unit IV – Agriculture in Ancient India: Plant Diseases and their Management, Pest Control, Manures for Plants and Plant grafting Techniques.
6. It is resolved to replace **Microbial Marketable Products** (U5R3MBDSE6:2) with **Antimicrobial Agents** in Semester V.

7. It is resolved to change the contents in **Good Laboratory Practices (U6R3MBSEC7:2)** in Semester VI.
8. It is resolved to change the contents in **Immunology, Immunomics & Microbial Genetics (P1R3MBCC2)** in Semester I.
9. It is resolved to change the contents in **UG (U1R3MBCC2P, U3R3MBCC6P) and PG (P1R3MBCC3P, P2R3MBCC6P, P3R3MBCC10P) Practicals.**

Distribution of Courses - U.G.

Sl.No.	Part	Courses	No. of Courses	No. of Credits	Marks
1.	I	Language Courses	4	12	400
2.	II	English Courses	4	12	400
3.	III	Core Courses	8	37	800
4.		Core Practical	6	28	600
5.		Project Work	1	04	100
6.		Discipline Specific Elective Courses	8	24	800
7.	IV	Internship	1	02	100
8.		Skill Enhancement Courses	7	14	700
9.		Value Education	1	02	100
10.		Environmental Studies	1	02	100
11.		Foundation Course	1	02	100
12.	V	Health and Wellness	1	01	100
13.		Gender Studies	1	01	100
14.		Extension Activity	-	01	-
Total			44	142	4400

Distribution of Courses - P.G.

Sl.No.	Types of the Courses	No. of Courses	No. of Credits	Marks
1.	Core Courses	12	58	1200
2.	Project Work	01	10	100
3.	Discipline Specific Elective Courses	05	15	500
4.	Internship	01	03	100
5.	Skill Enhancement Courses	02	04	200
Total		21	90	2100

J.J. College of Arts and Science (Autonomous)
Department of Microbiology

Proposed Course Structure based on TANSCH and UGC - LOCF
(Choice Based Credit System)
(Applicable for the Candidates admitted from academic year 2023-2024 Onwards)

B.Sc. Microbiology

Sl. No.	Course Category	Course Code	Course	Credits	Hours/ Week	Marks		
						CIA	ESE	Total
Semester I								
1	Part - I	U1R3TL1/HL1/FL1	Language - I (Tamil/Hindi/French)	3	6	25	75	100
2	Part - II	U1R3EL1	Language - II (English)	3	6	25	75	100
3	Part - III	U1R3MBCC1	Fundamentals of Microbiology and Microbial Diversity	5	5	25	75	100
4		UIR3MBCC2P	Practical I – Covering CC1	5	4	40	60	100
5		U1R3MBDSE1	Basic and Clinical Biochemistry	3	5	25	75	100
6	Part - IV	U1R3CSSEC1	(NME - 1) Office Automation	2	2	25	75	100
7		U1R3MBFC	Bridge Microbiology	2	2	25	75	100
Total				23	30	-	-	700
Semester II								
1	Part - I	U2R3TL2/HL2/FL2	Language - I (Tamil/Hindi/French)	3	6	25	75	100
2	Part - II	U2R3EL2	Language - II (English)	3	6	25	75	100
3	Part - III	U2R3MBCC3	Microbial Physiology and Metabolism	5	5	25	75	100
4		U2R3MBCC4P	Practical II - (Covering CC3)	5	5	40	60	100
5		U2R3MBDSE2	Bioinstrumentation	3	4	25	75	100
6	Part - IV	U2R3CASEC2	(NME - 2) Computer Skill Development Course	2	2	25	75	100
7		U2R3MBSEC 3:1 / 3:2	Sericulture / Veterinary Microbiology	2	2	25	75	100
Total				23	30	-	-	700
Semester III								
1	Part - I	U3R3TL3/HL3/F L3	Language – I (Tamil/Hindi/French)	3	5	25	75	100
2	Part - II	U3R3EL3	Language - II (English)	3	5	25	75	100
3	Part - III	U3R3MBCC5	Immunology	5	5	25	75	100
4		U3R3MBCC6P	Practical - III (Covering CC5)	5	5	40	60	100
5		U3R3MBDSE3	Biostatistics	3	4	25	75	100
6	Part - IV	U3R3MBSEC4:1 / 4:2	Microbial Inoculants / Aquaculture	2	2	25	75	100
7		U3R3VE	Value Education	2	2	25	75	100
8	Part - V	U3R3HW	Health and Wellness	1	2	-	-	100
Total				24	30	-	-	800

G. Murali Haran
(G. MURALI HARAN)

A. Arun
(Dr. A. ARUN)

P. P. Jeevan
(Dr. P. JEEVAN)

M. Ramesh
(M. Ramesh)

Semester IV								
1	Part - I	U4R3TL4/HL4/F L4	Language - I (Tamil/Hindi/French)	3	5	25	75	100
2	Part - II	U4R3EL4	Language - II (English)	3	5	25	75	100
3	Part - III	U4R3MBCC7	Medical Microbiology	5	5	25	75	100
4		U4R3MBCC8P	Practical – IV (Covering CC7)	5	5	40	60	100
5		U4R3MBDSE4P	Biostatistics - Practical	3	4	40	60	100
6	Part - IV	U4R3MBSEC5:1 / 5:2	Vermitechnology / Apiculture	2	2	25	75	100
7		U4R3MBSEC6:1 / 6:2	Medical Lab Technology / Vaccinology	2	2	25	75	100
8		U4R3ES	Environmental Studies	2	2	25	75	100
Total				25	30	-	-	800
Semester V								
1	Part - III	U5R3MBCC9	Food and Dairy Microbiology	5	5	25	75	100
2		U5R3MBCC10	Environmental and Agriculture Microbiology	4	5	25	75	100
3		U5R3MBCC11	Molecular Biology & Microbial Genetics	4	5	25	75	100
4		U5R3MBCC12P	Practical - V (Covering CC9 & CC10)	4	5	40	60	100
5		U5R3MBDSE5:1 / 5:2	Bioinformatics / Biosafety and Bioethics	3	5	25	75	100
6		U5R3MBDSE6:1 / 6:2	Microbial Biotechnology / Microbial Marketable Products	3	5	25	75	100
7	Part - IV	U5R3MBINT	Internship*	2	-	-	-	100
Total				25	30	-	-	700
Semester VI								
1	Part - III	U6R3MBCC13	Industrial Microbiology	4	6	25	75	100
2		U6R3MBCC14P	Practical – VI (Covering CC11 & CC13)	4	5	40	60	100
3		U6R3MBCC15P W	Project Work	4	6	-	-	100
4		U6R3MBDSE7:1 / 7:2	rDNA Technology / Microbial Ecology	3	5	25	75	100
5		U6R3MBDSE8:1 / 8:2	Virology / Pharmaceutical Microbiology	3	5	25	75	100
6	Part - IV	U6R3MBSEC7:1 / 7:2	Mushroom Technology / Good Laboratory Practices	2	2	25	75	100
7	Part - V	U6R3GS	Gender Studies	1	1	25	75	100
		-	Extension Activity	1	-	-	-	-
			Extra Credit Online Course - MOOCs	(4)				
Total				22	30	-	-	700
Grand Total				142			*	4400

* Internship during Semester – IV Summer Vacation. The Credits shall be awarded in Semester - V

Statement of Marks.

(G. M. R. B. I. H. A. R. A. S.)

A. A. 17-4-25
(Dr. A. A. R. V.)

P. P. H. 17/4/25
(Dr. P. J. E. B. A. S.)

M. S. R. 17/4/25
(M. R. A. S.)