

**J.J. College of Arts and Science (Autonomous)**  
**J.J. Nagar, Sivapuram Post, Pudukkottai**

**Details of ICT Enabled Teaching Resources**

**Department** : Microbiology  
**Name of the Staff** : Dr. M. Poornima

**Academic Year** : 2021 - 2022  
**Semester** : odd. & Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	06.09.21	II UG	Microbial Genetics & Molecular Biology	Transduction - lytic and lysogenic cycle	PPT
2.	13.09.21	II UG	"	Generalized Transduction	Epg - pathsalala
3.	15.09.21	II UG	"	Specialized Transduction	PPT
4.	17.09.21	II UG	"	Transformation	PPT
5.	20.09.21	II UG	"	Generalized Transduction	PPT
6.	19.11.21	I UG	Fundamentals of Microbiology	Gram's Staining & Acid fast staining	Video animation
7.	24.02.22	III UG	Genetic Engineering	Properties of DNA	PPT
8.	25.02.22	III UG	"	Cloning vectors	Epg - pathsalala
9.	28.02.22	III UG	"	Northern Blotting	PPT
10.	01.03.22	I PG	Microbial Genetics	Epigenesis, Germplasm Theory	PPT
11.	03.03.22	I PG	"	Transcription	PPT
12.	04.03.22	III UG	Genetic Engineering	Southern Blotting	PPT

**Signature of the Staff**

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 Assistant Professor,  
 Department of Microbiology,  
 J.J. College of Arts & Science,  
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 Sivapuram, Pudukkottai.



**Head of the Department**

Dr. P. JEEVAN, M.Sc., M.Phil., Ph.D.  
 Head, Department of Microbiology,  
 J.J. College of Arts & Science (Autonomous),  
 J.J. Nagar, Sivapuram (Post),  
 Pudukkottai - 622 422.

**Principal**

Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.,  
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**Name of the Staff** : Dr. M. Poornima

**Semester** : Odd & Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
13.	09.03.22	III UG	Genetic Engineering	Western Blotting	PPT
14.	11.03.22	IV UG	"	Site Directed Mutagenesis	PPT
15.	14.03.22	III UG	"	Transformation	PPT
16.	16.03.22	II UG	Bioinformatics	BLAST	Video Animation
17.	18.03.22	I PG	Microbial Genetics	Conjugation	Epg-Parthasarathy
18.	21.03.22	I PA	"	Translation	PPT
19.	23.03.22	I PG	"	Performance Theory	PPT

*(Signature)*

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**Details of ICT Enabled Teaching Resources**

Department : Microbiology      Academic Year : 2021 - 2022  
 Name of the Staff : Ms. R. Krishnaveni      Semester : odd of Even.

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	15.11.21	I PG	Microbial Physiology	Cell structure and functions	PPT
2.	16.11.21	I PG	"	Membrane Transport Mechanisms.	PPT
3.	17.11.21	I PG	"	Microbial Pigmentations	PPT
4.	19.11.21	I PG	"	Bacterial Pigments.	PPT

*R. Krishnaveni*  
 Signature of the Staff  
 R. KRISHNAVENI,  
 Asst. Professor,  
 PGT & Research Department of  
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*P. Jeevan*  
 Head of the Department  
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*Dr. J. Parasuraman*  
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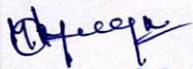
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**Details of ICT Enabled Teaching Resources**

Department : Microbiology  
 Name of the Staff : Dr. M. Anjugam

Academic Year : 2021 - 2022  
 Semester : Odd and Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	19.11.21	I PG	Microbial physiology	Endospore formation	PPT
2.	22.11.21	I PG	"	Types of Sporulation	PPT
3.	01.03.22	II UG	Environment and Agri. MB	Classification of Soil	PPT
4.	04.03.22	III UG	Medical Lab Technology	Blood clotting Mechanism	PPT
5.	11.03.22	III UG	"	Anaemia	PPT
6.	15.03.22	III UG	"	Anaemia and Blood Grouping	PPT
7.	23.03.22	III UG	"	Determination of Haemoglobin	PPT
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 Signature of the Staff



  
 Head of the Department

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**Dr. M. ANJUGAM, M.Sc., M.Phil., Ph.D.,**  
 ASSISTANT PROFESSOR  
 PG & RESEARCH DEPT. OF MICROBIOLOGY  
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**Details of ICT Enabled Teaching Resources**

**Department** : Microbiology **Academic Year** : 2021 - 2022  
**Name of the Staff** : S. Vijaya Sampoorneswari **Semester** : Odd & Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	13.09.21	III UG	Virology and Medical Microbiology	Normal Flora	PPT
2.	14.09.21	III UG	"	Normal flora - Skin and Respiratory	PPT
3.	18.09.21	III UG	"	Host Microbes interaction	PPT
4.	20.09.21	III UG	"	Host Microbes Interactions	PPT
5.	21.09.21	I PG	Fermentation Technology	Cell disruption	PPT
6.	21.09.21	III UG	Virology and Medical MB	Foot and Mouth Disease	PPT
7.	21.09.21	I PG	Fermentation Technology	Ethanol Production	PPT
8.	21.09.21	III UG	Virology and Medical MB	Functions of Normal flora	PPT
9.	6.10.21	III UG	"	Host microbes Interactions	PPT
10.	25.02.22	I PG	Mol. Bio and Gen. Eng	Mutation and its types	PPT
11.	1.03.22	III UG	Industrial Microbiology	Fermenters and its types	PPT
12.	2.03.22	III UG	"	Media formulation	PPT

*S. Vijaya Sampoorneswari*

**Signature of the Staff**

**S. VIJAYASAMPOORNESWARI,**  
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Assistant Professor,  
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**Details of ICT Enabled Teaching Resources**

**Department** : Microbiology **Academic Year** : 2021 - 2022  
**Name of the Staff** : MS. S. Vijaya Sampoorneswari **Semester** : Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
13.	03.03.22	I UG	Vermi technology	Morphology and Physiology of Earthworm	PPT
14.	04.03.22	III UG	Industrial Microbiology	Anti-foaming Agents	PPT
15.	09.03.22	III UG	"	precursors and Inhibitors	PPT
16.	10.03.22	III UG	"	Buffers and Inducers	PPT
17.	10.03.22	I PG	Mol. Bio and Gen. Eng	DNA polymerase and RNA polymerase	PPT
18.	11.03.22	II UG	Industrial Microbiology	Downstream Processing	PPT
19.	14.03.22	I PG	Mol. Bio and Gen. Eng	poly Nucleotide kinase and DNA Ligase	PPT
20.	14.03.22	II UG	Vermi technology	Horticulture	PPT
21.	15.03.22	II UG	Industrial Microbiology	Centrifugation Techniques	PPT
22.	18.03.22	II UG	Vermi technology	Forest Regeneration	PPT
23.	18.03.22	I PG	Mol. Bio and Gen. Eng.	cDNA Cloning and Genomic Library	PPT
24.	21.03.22	I PG	"	Chromosome Mapping	PPT

*S. Vijaya Sampoorneswari*  
**Signature of the Staff**



*P. P. Jeevan*  
**Head of the Department**

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*G. Parasuraman*  
**Principal**

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**S. VIJAYASAMOONDEESWARI**  
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 Assistant Professor,  
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**Details of ICT Enabled Teaching Resources**

Department : Microbiology Academic Year : 2021 - 2022  
 Name of the Staff : Ms. S. Vijaya Jamboredevarani Semester : Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
25	22.03.22	III VA	Industrial microbiology	Chromatography	PPT
26	23.03.22	II PG	Mol. Bio and Gen. Eng	Recombinant Selection and Screening Methods	PPT
27	24.03.22	IV VA	Industrial Microbiology	Foam Separation	PPT
28	25.03.22	II PG	Mol. Bio and Gen. Eng	DNA chips and Gene Micro array	PPT
29	25.03.22	II PG	Worm technology	Characters of Earthworms	PPT
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*S. Vijaya*  
 Signature of the Staff



*P. Jeevan*  
 Head of the Department

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*P. Parasuraman*  
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