

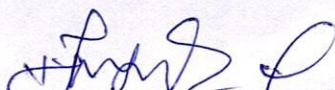


**J.J. College of Arts and Science (Autonomous)  
J.J. Nagar, Sivapuram Post, Pudukkottai**

**Details of ICT Enabled Teaching Resources**

**Department** : BIOTECHNOLOGY      **Academic Year** : 2021 - 2022  
**Name of the Staff** : Dr. V. Jayaramana      **Semester** : odd  
than


Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	16.09.21	III UG 'A'	Pharmaceutical Biotechnology	Pharmacokinetics	PPT
2.	21.10.21	II UG 'A'	Immunology	Vaccine development	PPT
3.	02.11.21	II UG 'A'	Immunology	Lymphoid organ	Animation
4.	07.12.21	III UG 'A'	Pharmaceutical Biotechnology	Carcinogenicity	PPT
5.	14.12.21	II UG 'A'	Immunology	Allergens	PPT
6.	18.12.21	II UG 'A'	Immunology	Transplantation	Animation
7.	20.12.21	III UG 'A'	Pharmaceutical Biotechnology	Monoclonal antibodies	PPT
8.	21.12.21	II UG 'A'	Immunology	Auto immune	PPT
9.	23.12.21	III UG 'A'	Pharmaceutical Biotechnology	Drug tolerance	PPT

  
Signature of the Staff



  
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Dr. G. MANIGANDAN, Ph.D., SET, NET  
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**Details of ICT Enabled Teaching Resources**

**Department** : Biotechnology      **Academic Year** : 2021 - 2022  
**Name of the Staff** : P. Pruijadarshini      **Semester** : odd

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	3.9.21	II UG 'A'	cDNA library γ-DNA	cDNA library.	PPT
2.	15.9.21	II UG 'A'	Human Genome Project - γDNA	Human Genome Project	epg Pathshala
3.	20.9.21	II UG 'A'	γ-DNA Technology	Chromosome Walking	PPT
4.	27.9.21	II UG 'A'	γ-DNA Technology	NPTEL (Chromosomes)	NPTEL
5.	06.10.21	II UG 'A'	γ-DNA Technology	Microprojectile	Animations
6.	18.10.21	II UG 'A'	γ-DNA Technology	Maxam - Gilberts Method	PPT
7.	25.10.21	II UG 'A'	γ-DNA Technology	PCR	Animations
8.	01.11.21	II UG 'A'	γ-DNA Technology	Western blotting	"
9.	03.12.21	I PG	Genetics & Molecular Biology	crossing over.	PPT
10.	13.12.21	I PG	"	Gene and Gene concept	PPT

  
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**Details of ICT Enabled Teaching Resources**

**Department** : *Biotechnology*

**Academic Year** : 2021 - 2022

**Name of the Staff** : *K. Chellamethu*

**Semester** : *odd*

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	18.09.21	III UG 'A'	Medical Laboratory Technology	Human Blood group systems	PPT
2.	07-10.21	II PG	Environmental Biotechnology	Interactions of man and environment	PPT
3.	23.10.21	III UG 'A'	Medical Laboratory Technology	Specimen collections	PPT
4.	02.12.21	II PG	Environmental Biotechnology	concepts of health and sanitation	PPT
5.	21.12.21	II PG	Environmental Biotechnology	Xenobiotics	PPT

*[Signature]*  
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*[Signature]*  
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**Details of ICT Enabled Teaching Resources**

**Department** : Biotechnology      **Academic Year** : 2021 - 2022  
**Name of the Staff** : Dr. V. Subramanian      **Semester** : odd

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	07.09.21	III UG 'A'	Gen Bioinstrumentation	compound Microscope	PPT
2	16.09.21	II UG 'A'	Bioinstrumentation	SEM.	PPT
3	28.09.21	III UG 'A'	"	centrifugation	PPT
4	07.10.21	I PG	stem cells and Nanobiotechnology	Transplantation	Animations
5	12.10.21	I PG	stem cells and Nanobiotechnology	stem cell therapy	NPTEL
6	21.10.21	I PG	stem cells and Nanobiotechnology	Drug designing	Animations

  
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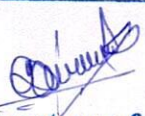
  
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**Details of ICT Enabled Teaching Resources**

**Department** : Biotechnology      **Academic Year** : 2021 - 2022  
**Name of the Staff** : Dr. L. Vivekanandan      **Semester** : odd.


Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	07.09.21	III UG 'A'	Bioinstrumentation	PH meter	PPT
2	13.09.21	III UG 'A'	Bioinstrumentation	Microscope	NPTEL
3	17.09.21	III UG 'A'	Bioinstrumentation	Chromatography	PPT
4	02.11.21	III UG 'A'	Bioinstrumentation	Electrophoresis	Animations
5	04.12.21	IUG	cell Biology	control of cell cycle	PPT
6	16.12.21	IUG	cell Biology	Mitosis	PPT
7	28.12.21	IUG	cell Biology	cell communications	PPT

  
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**Details of ICT Enabled Teaching Resources**

**Department** : *Biotechnology*  
**Name of the Staff** : *c. Sumathi*

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

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	07.09.21	II UG B	r-DNA tech	Plasmids	Animation
2	30.09.21	II UG B	r-DNA technology	classifications of plasmids	Youtube
3	25.10.21	II UG B	r-DNA technology.	Restriction Enzym	PPT
4	02.11.21	II UG B	r-DNA technology	Northern blotting	e-PG Pathshala
5	04.12.21	I PG	Biochemistry	Buffer preparation	PPT
6	16.12.21	I PG	Biochemistry	classification of carbohydrates	PPT
7	21.12.21	I PG	Biochemistry	Lipid Metabolism	PPT
8	28.12.21	I PG	Biochemistry	Kreb's cycle.	PPT

*C. Sumathi*  
**Signature of the Staff**

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**Details of ICT Enabled Teaching Resources**

**Department** : Biotechnology      **Academic Year** : 2021 - 2022  
**Name of the Staff** : Ms. M. Sakthipriya      **Semester** : I (odd-Sem)

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	14.09.22	II B.Sc BT	Bioinformatics	BLAST & FASTA	PPT
2.	25.09.21	III B.Sc BT	Bioinformatics	Protein Prediction	Youtube
3.	07.10.21	II M.Sc BT	Medical and Pharmaceutical Biotechnology	Drug discovery and Validation	PPT
4.	23.10.21	II M.Sc BT	"	Composition and Preparation of drug	PPT.
5.	02.11.21	III B.Sc BT	Bioinformatics	Sequence alignment	Youtube.
6.	02.12.21	III B.Sc BT	Bioinformatics	Scoring matrix	PPT
7.	14.12.21	II M.Sc BT	Medical and Pharmaceutical Biotechnology	Herbal extracts	Youtube
8.	23.12.21	II M.Sc BT	"	Pharmacotherapy	PPT.

M. Sakthipriya  
**Signature of the Staff**

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**Head of the Department**

Dr. J. Parasuraman  
**Principal**



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**Details of ICT Enabled Teaching Resources**

**Department** : *Biotechnology*

**Academic Year** : 2021 - 2022

**Name of the Staff** : *M. Maheswari*

**Semester** : *odd.*

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	03.09.21	II UG 'A'	Immunology	T-cells	PPT
2	06.09.21	II PG	Plant Biotechnology	Somatic hybridisation	PPT
3	13.09.21	II UG 'A'	Immunology	ELISA	Animation
4	17.09.21	II PG	Plant Biotechnology	Transgenic plants	"
5	22.09.21	II UG 'A'	Immunology	Cytokines	PPT

*M. Maheswari*  
**Signature of the Staff**

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**Head of the Department**

*J. Parasuraman*  
**Principal**



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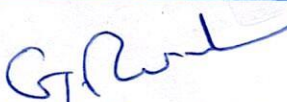
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**Details of ICT Enabled Teaching Resources**

**Department** : Biotechnology      **Academic Year** : 2021 - 2022  
**Name of the Staff** : J. John Vasanth      **Semester** : odd


Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	14.09.21	III UG 'A'	III UG 'A' Bioinformatics	Databases	PPT
2	18.09.21	III UG 'A'	III UG 'A' Bioinformatics	Alignment Methods	PPT
3	28.09.21	I UG	I UG (BC)	Biochemistry (Buffers)	NPTEL
4	07/10/21	III UG 'A'	III UG 'A' Bioinformatics	Protein prediction	epg Pathshala
5	21/10/21	I UG	I UG (BC)	Biochemistry (Vitamins)	PPT
6	23/10/21	I UG	I UG (BC)	Minerals	PPT
7	2/11/21	III UG 'A'	III UG 'A' Bioinformatics	Target identification	Animation
8	14/11/21	I UG	I UG (BC)	Biochemistry Enzymes	PPT
9	21/12/21	III UG 'A'	III UG 'A' (Bioinformatics)	Lead compound	PPT

  
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**Head of the Department**



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**Details of ICT Enabled Teaching Resources**

Department : *Biotechnology*

Academic Year : 2021 - 2022

Name of the Staff : *P. Prujadayshini*

Semester : *Sem (Even)*

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	21.2.22	III UG 'A'	Animal Biotechnology	Fundamentals of Animal cell culture.	PPT
2.	28.2.22	III UG (MB)	Microbiology	Acids and bases	ICT (PPT)
3.	11.3.22	III UG 'A'	Animal Biotechnology	Culture Vessels	Animation
4.	30.3.22	III UG (MB)	Microbiology	Percentage solutions	PPT
5.	05.04.22	III UG (MB)	Microbiology	chromatography (Paper)	PPT
6.	18.04.22	II UG 'A'	Animal Biotechnology	ICSI	Animations
7.	02.05.22	III UG (MB)	Microbiology	TLC (chromatography)	PPT

*P. Prujadayshini*  
 Signature of the Staff



*G. Manigandan*  
 Head of the Department

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*G. Parasuraman*  
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**Details of ICT Enabled Teaching Resources**

**Department** : Biotechnology  
**Name of the Staff** : K. Chellamuthu

**Academic Year** : 2021 - 2022  
**Semester** : Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	16.03.22	III UG B'	Environmental Biotech	N, P, C and S cycles	PPT
2	30.03.22	III UG A'	Mushroom cultivation	spawn Preparation	Animation
3	06.04.22	III UG B'	Environmental Biotech	Waste Water Treatment	NPTEL
4	21.04.22	III UG A'	Mushroom cultivation	Nutritional Value	PPT
5	04.05.22	III UG B'	Environmental Biology	Xenobiotics	PPT

  
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**Head of the Department**

  
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**Details of ICT Enabled Teaching Resources**

**Department** : Biotechnology      **Academic Year** : 2021 - 2022  
**Name of the Staff** : Dr. V. Subramanian      **Semester** : Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	23.02.22	III UG	Nanobio technology	Nanoscale	PPT
2	02.03.22	II PG	Genomics and Proteomics	Properties of Genomics	NPTEL
3	09.03.22	II PG	Genomics and Proteomics	Gene arrangements	PPT
4	11.03.22	III UG	Nanobiotech nology	Properties of Nanomaterials	PPT
5	14.03.22	III UG	Nanobiotech nology	SPM	PPT
6	18.04.22	II PG	Genomics and Proteomics.	Microarray.	Animation

*[Signature]*  
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*[Signature]*  
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**Details of ICT Enabled Teaching Resources**

**Department** : Biotechnology      **Academic Year** : 2021 - 2022  
**Name of the Staff** : Dr. L. Vivekandran      **Semester** : Even


Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	21.2.22	IIUGA	Plant Biotechnology	Plant tissue culture	PPT
2	01.3.22	IIUGA	Plant Biotechnology	Ti-plasmids	PPT
3	05.3.22	IIUGA	Plant Biotechnology	Edible vaccines	E pg Pathshala
4	08.3.22	IIUGA	Plant Biotechnology	Transgenic plants	PPT
5	30.3.22	IPG	Bioinstrumentation	X-ray crystallography	Animations
6	05.04.22	IPG	Bioinstrumentation	NMR	NPTEL
7	18.04.22	IPG	Bioinstrumentation	SDS - PAGE	PPT
8	02.05.22	IPG	Bioinstrumentation	Autoradiography.	PPT

  
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**Details of ICT Enabled Teaching Resources**

**Department** : Biotechnology

**Academic Year** : 2021 - 2022

**Name of the Staff** : C. Sumathi

**Semester** : Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	10.3.22	III UG 'B'	Food and industrial BT	Preservation of food	PPT
2	14.3.22	III UG 'B'	"	Microbial growth kinetics	PPT
3	30.3.22	II UG 'B'	Marine Biotechnology	Bioactive compounds	PPT
4	05.04.22	II UG 'B'	Marine Biotechnology	Biodegradation of pesticides	Animation
5	18.04.22	III UG 'B'	Food and industrial BT	Industrial production using microbes	PPT
6	02.05.22	II UG 'B'	Marine Biotechnology	Immunostimulants	PPT
7	02.05.22	III UG 'B'	Food and industrial BT	Vaccine production.	e-PG Pathshala

*C. Sumathi*  
**Signature of the Staff**

*G. Manigandan*  
**Head of the Department**



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**Details of ICT Enabled Teaching Resources**

**Department** : Biotechnology      **Academic Year** : 2021 - 2022  
**Name of the Staff** : Ms. M. Sakthipriya      **Semester** : II (Even-Sem)

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	4-3-22	III BscBT	Animal Biotech	Interferons	Padasala
2	25-3-22	"	Animal Biotech	Transgenic animals.	You-tube
3	11-3-22	II BscBT	Microbiology	Classification of Microorganisms.	PPT
4	4-4-22	I BscBT	Microbiology	Preservation of Microorganisms.	PPT
5	20-4-22	III BscBT	Animal Biotech.	In vitro fertilization	Padasala You-tube
6	27-4-22	III BscBT	Animal Biotech.	Production of Insulin	PPT
7	2-5-22	II BscBT	Microbiology	Cultivation of microorganisms.	You-tube
8	4-5-22	"	Microbiology	Emerging Viruses.	PPT.

*M. Sakthipriya*  
**Signature of the Staff**

*G. Manigandan*  
**Head of the Department**

*Dr. J. Parasuraman*  
**Dr. J. PARASURAMAN**, M.A., M.B.A., M.C.A.,  
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**Details of ICT Enabled Teaching Resources**

**Department** : Biotechnology  
**Name of the Staff** : M. Maheswari

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

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	1.04.22	III UG A	Food and industrial Biotechnology	Methods of Preservation	PPT
2	08.04.22	III UG B	Nutrition & dietetics.	Vitamins	PPT
3	23.04.22	III UG B	Nutrition & dietetics	Meal planning.	PPT
4	05.05.22	III UG A	Food and industrial Biotechnology	Packaging of frozen food	PPT
5	11.05.22	III UG A	Food and industrial Biotechnology	Probiotics	PPT

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**Details of ICT Enabled Teaching Resources**

Department : *Biotechnology* Academic Year : 2021 - 2022  
 Name of the Staff : *J. John Varanath* Semester : *sem (Even)*

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	24.02.22	II UG	Genetics and Molecular Biology	co-dominance	PPT
2	02.03.22	III UG	Nanobiotech	Drug Nanoparticles	Animation
3	9.03.22	II UG	Genetics and Molecular Biology	Lac-operon	E-padhasala
4	15.03.22	III UG	Nanobiotech	Biomolecular Motion	PPT
5	29.03.22	II UG	Genetics and Molecular Biology	DNA Repair Mechanism	PPT
6	13.5.22	III UG	Nanobiotech	U-V-Visible spectroscopy	PPT

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