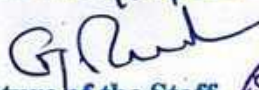


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Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY. Academic Year : 2022 - 2023
 Name of the Staff : Dr. G. Manigandan. Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	08/08/22	II M.Sc Biotech	Research Methodology.	Biosafety Regulations.	INFLIB-NET
02.	24/08/22		"	Collection of literature.	DataShake
03.	15/09/22		"	Manuscript Preparation.	PPT
04.	29/09/22		"	Preparation of project proposal.	YouTube
05.	06/10/22		"	Experimental Approach.	PPT
06.	07/10/22		"	Internet Library.	PPT
07.	11/10/22		"	Internet Card preparation.	INFLIB NET
08.	13/10/22		"	Impact factor.	DataShake
09.	17/10/22		"	h-index.	YouTube
10.	18/10/22		"	online digital library.	YouTube
11.	19/10/22		"	Ethical issues.	YouTube
12.	26/10/22		"	Sponsoring Agencies.	Video clips


 Signature of the Staff




Head of the Department
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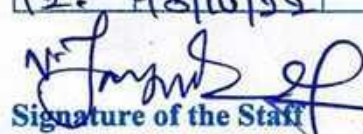

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Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY. Academic Year : 2022 - 2023
 Name of the Staff : Dr. V. Jayaraman. Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	15/07/22	III B.Sc 'A' Biotech.	Medical Lab Technology.	Respiratory System.	YouTube
02.	03/08/22		"	Components of Blood	YouTube
03.	16/08/22		"	Blood film Examination	patashala
04.	01/09/22		"	Mycotic Infections.	ppt
05.	13/09/22		"	urine Analysis.	ppt
06.	26/09/22		"	Semen Analysis.	ppt
07.	09/07/22	IM.Sc Biotech.	Microbiology.	Types of Microscopes	YouTube
08.	16/08/22		"	Nutritional classification of bacteria.	ppt
09.	13/09/22		"	Growth curve.	Video clips
10.	06/10/22		"	Biosafety levels.	INFLIBNET
11.	13/10/22		"	cryopreservation.	patashala
12.	18/10/22		"	Bacterial Diseases.	ppt


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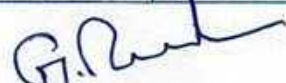
Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY Academic Year : 2022 - 2023
 Name of the Staff : M.S.P. Priyadarshini Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	13/07/22	<u>III Bsc A'</u> Biotech.	Bioinformatics.	HTML	YouTube
02.	29/07/22		"	NCBI Data Model.	INFLIB-NET
03.	12/08/22		"	Biological Databases	YouTube
04.	18/08/22		"	Analysis packages.	PPT
05.	26/09/22		"	Pairwise Sequence Alignment.	YouTube
06.	06/10/22		"	Multiple Sequence Alignment.	PPT
07.	19/07/22	<u>IM.Sc</u> Biotech.	Genetic Engineering.	Types of Inheritance.	videoclips
08.	16/08/22		"	Sex linked dominance	videoclips
09.	06/09/22		"	Poligra Analysis.	PPT
10.	26/09/22		"	Restriction Enzymes.	YouTube
11.	07/10/22		"	Site directed mutagenesis.	INFLIB-NET


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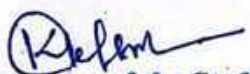

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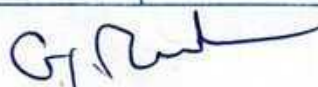
Details of ICT Enabled Teaching Resources

Department : **BIOTECHNOLOGY.** Academic Year : **2022 - 2023**
 Name of the Staff : **MR.K.CHELLAMUTHU.** Semester : **Odd / Even**

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	19/07/22	III B.Sc B' Biotech.	Medical laboratory technology.	Physiology of organs	INFILIB-NET
02.	05/08/22		"	Blood film Examination	YouTube
03.	27/07/22	II M.Sc Biotech	Environmental Biotechnology.	Pollution Control.	ppt
04.	04/08/22		"	Xenobiotics.	ppt
05.	15/09/22		"	Bioremediation.	Videoclips
06.	26/09/22		"	Chemical & radiation hazardous.	YouTube
07.	27/09/22		"	Vermicomposting	YouTube
08.	06/10/22		"	Incineration.	ppt
09.	11/10/22		"	E-waste Management	ppt
10.	13/10/22		"	Bioleaching.	INFILIB-NET.
11.	18/10/22		"	Bioaccumulation.	Videoclips


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Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY. Academic Year : 2022 - 2023
 Name of the Staff : DR. V. SUBRAMANIAN. Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	13/07/22	III B.Sc.A' Biotech	Bioinformatics	HTML	patashala
02.	20/07/22		"	NCBI Data Model	youtube
03.	03/08/22		"	Biological Databases	YouTube
04.	05/08/22		"	Composite Sequence Database	ppt
05.	07/09/22		"	Structure Databases	ppt
06.	15/07/22	III B.Sc.B' Biotech	Bioinformatics	specialized genomic res	YouTube
07.	18/07/22		"	Pairwise Sequence Alignment	ppt
08.	08/08/22		"	Use of Scoring matrices	patashala
09.	28/07/22	IM.Sc Bioinstrumentation	Bioinstrumentation	Principles of Microscopy	YouTube
10.	10/08/22		"	Types of Centrifugation	ppt
11.	15/09/22		"	Chromatography	patashala
12.	16/09/22		"	UV/VIS Spectroscopy	ppt

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Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY

Academic Year : 2022 - 2023

Name of the Staff : M.A.C. SUMATHI

Semester : Odd / Even

SL No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	11/08/22	III UG-B Biotech	BIOINSTRUMENTATION	Thin Layer Chromatography	YouTube
02.	02/09/22		"	Autoradiography	PPT
03.	19/09/22	III. B.Sc.A Biotech	PHARMACEUTICAL BIOTECHNOLOGY	Pharmacodynamics	Parashala
04.	27/09/22		"	Clinical trials	videoclips
05.	3/10/22		"	Manufacturing of therapeutic proteins	ppt
06.	7/10/22	I.M.Sc. Biotech	BIOCHEMISTRY	Glycolysis & TCA cycle	PPT
07.	11/10/22		"	Electron Transport chain	YouTube
08.	13/10/22		"	Biosynthesis of cholesterol	parashala
09.	17/10/22		"	Biosynthesis of phospholipids	YouTube
10.	18/10/22		"	β -oxidation	Videoclips
11.	19/10/22		"	Biosynthesis of purine nucleotides	PPT
12.	26/10/22		"	Urea cycle	YouTube

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Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY
 Name of the Staff : DR. L. VIVEKANANDAN

Academic Year : 2022 - 2023
 Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	05/08/22	III. B.Sc-A Biotech	BIOINSTRUMENTATION.	Types of chromatography	YouTube
02.	29/08/22	"	"	Autoradiography	PPT
03.	14/09/22	"	"	Electrophoresis	PPT
04.	28/08/22	I B.Sc Biotech	BIOCHEMISTRY	Structure of atoms	video clips
05.	13/09/22	"	"	Energy & its forms	patishah
06.	15/09/22	"	"	Biomolecules	YouTube
07.	16/09/22	"	"	Proteins	PPT
09.	27/09/22	"	"	Carbohydrates	INFLUENCE
10.	29/09/22	"	"	Acid, bases & their concepts	patishah
11.	06/10/22	"	"	Physical properties of water	YouTube
12.	07/10/22	"	"	Vitamins & Minerals	PPT.
13.	11/10/22	"	"	Lipids	patishah.

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Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY. Academic Year : 2022 - 2023
Name of the Staff : MS.M. SAKTHIPRIYA. Semester : Odd / ~~Even~~

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	22/07/22	II B.Sc Biotech	r-DNA Technology.	Plasmid vector.	Intifinet
02.	10/08/22		"	Genomic DNA library	YouTube
03.	16/08/22		"	PCR	PPT
04.	25/08/22		"	Transgenic Animal	PPT
05.	15/07/22	IB.Sc Biotech	Microbiology	classification of Algae / fungi.	parashala
06.	20/07/22		"	Emerging Diseases	parashala
07.	25/07/22	II M.Sc Biotech.	Medical & Pharmaceutical Biotechnology.	Drug Abuse	YouTube
08.	17/08/22		"	Drug formation.	PPT
09.	29/08/22		"	Tablet storage.	YouTube
10.	07/09/22		"	Toxicity.	videoclips
11.	06/10/22		"	Drug Delivery.	PPT.

M. S. Sakthipriya
Signature of the Staff



G. Manigandan
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Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY

Academic Year : 2022 - 2023

Name of the Staff : M^{rs}. MAHESHWARI M.

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	10/08/22	III.B.Sc. B Biotech	Medical Lab Technology	Cardiovascular System	PPT
02.	16/08/22		"	Hematopoietic System	PPT
03.	25/08/22	II.B.Sc. Biotech	Immunology	Types of immunity	YouTube
04.	16/09/22		"	Transplantation	Video clips
05.	28/9/22	I. M.Sc. Biotech	Plant Biotechnology	Somatic Embryogenesis	PPT
06.	08/10/22		"	Crop improvement	PPT
07.	07/10/22	I.B.Sc. Biotech	Environmental studies	Types of ecosystem	PPT
08.	11/10/22		"	Trophic levels	PPT
09.	13/10/22		"	Global warming	YouTube
10.	17/10/22		"	Ozone depletion Waste water	PPT
11.	18/10/22		"	management	PPT.

M. Maheshwari
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Details of ICT Enabled Teaching Resources

Department : Biotechnology.

Academic Year : 2022 - 2023

Name of the Staff : Mr. J. Johnivasan

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	11/07/22	I B.Sc Biotech.	Cell and Molecular Biology	origin of cell.	PowerPoint
02.	19/07/22		"	Structure of plasma membrane	PPT
03.	26/07/22		"	Types of chromosomes	YouTube
04.	17/08/22		"	Structure of DNA	video clips
05.	13/07/22	III B.Sc B' Biotech.	Pharmaceutical Biotechnology.	Pharmacodynamics	PPT
06.	01/07/22		"	Drug Metabolism.	PPT
07.	04/08/22		"	Drug tolerance.	PowerPoint
08.	08/08/22		"	Mutagenicity.	video clips
09.	02/09/22		"	Carcinogenicity.	PPT
10.	27/07/22	I M.Sc Biotech	Genetic Engineering.	DNA finger printing	YouTube
11.	12/08/22		"	Gene therapy.	PPT
12.	15/09/22		"	Protein Engineering.	YouTube

J. Johnivasan
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G. Manigandan
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Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY . Academic Year : 2022 - 2023
 Name of the Staff : Dr. G. Manigandan . Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	06/12/22	IM.Sc Biotech	Immunology & Immunotechnology.	Types of Immunity.	YouTube
02.	11/01/23		"	organs of Immune System.	PPT
03.	01/02/23		"	Antigens/Antibody Structures.	PPT
04.	06/02/23		"	Complement pathway.	PowerPoint
05.	11/02/23		"	MHC and HLA System	YouTube
06.	17/02/23		"	Xenotransplantation	YouTube
07.	21/02/23		"	Immunosuppressive therapy.	PPT
08.	24/02/23		"	Hypersensitivity.	Videoclips
09.	02/03/23		"	Autoimmune Diseases.	PowerPoint
10.	06/03/23		"	Immuno Assays.	INFLIB NET
11.	08/03/23		"	RT-PCR.	PPT.
12.	14/03/23			Viral vaccines.	PowerPoint.

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Details of ICT Enabled Teaching Resources

Department : Biotechnology Academic Year : 2022 - 2023
 Name of the Staff : Dr. V. Jayaraman Semester : Odd / Even ☒

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	01/10/22	III B.Sc 'A' Biotech.	Environmental Biotechnology.	Energy flow in food chain.	YouTube
02.	09/10/22		"	Measurement of Pollution.	PPT
03.	25/01/23		"	Ozone Depletion.	PPT
04.	03/02/23		"	Waste Water treatment.	INFLIB NET
05.	07/02/23		"	Anaerobic Composting.	YouTube
06.	15/12/22	IM.Sc Biotech.	Bioprocess Technology	Strain Improvement	PPT
07.	23/12/22		"	Types of Sterilization	Powerpoint
08.	09/01/23		"	Bioreactors.	YouTube
09.	23/01/23		"	Industrial Enzyme production.	PPT
10.	07/02/23		"	Downstream processing	INFLIB-NET
11.	06/02/23		"	Chromatography.	Powerpoint

(Signature)
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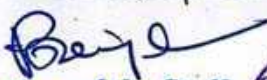
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Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY. Academic Year : 2022 - 2023
 Name of the Staff : H.S.P. Priyaalharshini. Semester : Odd / Even ☒

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	20/12/22	III B.Sc B' Biotech	Animal Biotechnology	Fertilization in Animals.	PPT
02.	28/12/22		"	Artificial fertilization Methods.	YouTube
03.	31/01/23		"	Embryonic & stem Cell Cultures.	INFLIB-NET
04.	02/02/23		"	Types of cell Culture.	INFLIB-NET
05.	01/03/23		"	Cell viability/ Cytotoxicity.	YouTube
06.	07/12/23	II B.Sc A' Biotech.	Genetics.	Mendelian principles	patashah
07.	05/01/23		"	Epistasis.	PPT
08.	12/1/23		"	Chromosomal Variation	patashah
09.	13/1/23		"	Transposable Elements.	YouTube
10.	09/01/23	III B.Sc A	Nutrition & Dietetics.	Digestion and Absorption.	patashah
11.	19/01/23		"	Drug nutrient Interactions.	PPT
12.	24/01/23		"	Balance Diet.	YouTube


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Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY. Academic Year : 2022 - 2023
 Name of the Staff : Mr. K. CHELLANUTHU. Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	10/01/23	III B.Sc 'B' Biotech.	Nutrition & Dietetics.	Digestion & Absorption of nutrients.	ppt
02.	24/01/23		"	Bioavailability.	YouTube
03.	07/02/23		"	Nutrition in critical Care.	ppt
04.	17/02/23				YouTube
05.	02/03/23	II B.Sc 'B' Biotech	Environmental Science.	Types of Ecosystem.	Parashala
06.	08/03/23		"	Different trophic levels.	PPT
07.	06/03/23		"	Food chain / Food web.	ppt
08.	07/03/23		"	Types of pollution.	YouTube
09.	08/03/23		"	Oxidation pond.	INFLIBNET
10.	20/03/23		"	Global warming.	YouTube
11.	22/03/23		"	Green house effect.	INFLIBNET


 Signature of the Staff




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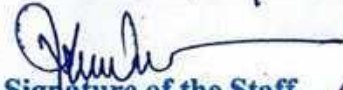

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Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY Academic Year : 2022 - 2023
 Name of the Staff : Dr.V. SUBRAMANIAM Semester : Odd / Even ✓

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	29/12/22	IM Sc Biotech	Bioinformatics	Scoring Matrix.	INFLIBNET
02.	04/01/23		"	Global and Local Alignment	PPT
03.	10/01/23		"	Multiple Sequence Alignment	Video clips
04.	19/01/23		"	UPCMA Network	YouTube
05.	26/12/22	III B.Sc.A Biotech.	Nanobiotechnology	Properties of Nanoparticles	INFLIBNET
06.	09/01/23		"	Bioabsorbable polymers	YouTube
07.	18/02/23		"	Nanofabrication.	Parashala
08.	01/03/23		"	Drug nanoparticles	INFLIBNET
09.	06/02/23	III B.Sc.B' Biotech.	Nanobiotechnology	Biotemplating	PPT
10.	19/02/23		"	Biomolecular Motors	Parashala
11.	27/02/23		"	Biomimetic fabrication	INFLIBNET
12.	07/03/23		"	Working principle of FT-IR.	PPT


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Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY
 Name of the Staff : MA. C. SUMATHI

Academic Year : 2022 - 2023
 Semester : ~~Odd~~ / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	30/12/22	III. B.Sc. A Biotech	FOOD AND INDUSTRIAL BIOTECHNOLOGY	Types of packaging	PPT
02.	25/01/23		"	Lyophilization	YouTube
03.	08/02/23	I. B.Sc. B Biotech	ENZYME AND METABOLISM	Enzyme immobilization	PowerPoint
04.	15/02/23		"	Glycolysis	PPT
05.	02/03/23		"	Amino acids catabolism	PPT
06.	06/03/23	I. M.Sc. Biotech	GENETICS & GENETIC ENGINEERING	Types of inheritance	YouTube
07.	15/03/23		"	Turner's syndrome	PowerPoint
08.	16/03/23		"	Southern blotting	YouTube
09.	17/03/23		"	Sanger's method of sequencing	PowerPoint
10.	20/03/23		"	Chemical synthesis of oligonucleotides	PPT
11.	21/03/23		"	VNTR	INFLIBNET
12.	23/03/23		"	Protein Engineering	Video clips

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Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY

Academic Year : 2022 - 2023

Name of the Staff : DR. L. VIVEKANANDAN

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	27/12/22	I. M.Sc. Biotech	REGENERATIVE MEDICINE	Gene therapy & its types	PPT
02.	11/01/23		"	Methods of Gene delivery	patashala
03.	23/01/23		"	Human Genome Project	YouTube
04.	30/01/23	II. B.Sc. Biotech	PLANT BIOTECHNOLOGY	Grermplasm Conservation	PPT
05.	06/02/23		"	Edible vaccines	Videoclips
06.	15/02/23		"	Plant transformation methods	YouTube
07.	17/02/23	I. B.Sc. A Biotech	ENZYMES AND METABOLISM	Mechanism of enzyme action	patashala
08.	27/02/23		"	Glycolysis, Glycogenesis & Glycogenolysis	PPT
09.	07/03/23		"	Protein structure	YouTube
10.	16/03/23		"	Synthesis of Purines & Pyrimidines	patashala

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Details of ICT Enabled Teaching Resources

Department : BIOTECHNOLOGY.
Name of the Staff : MS.M. SAKTHIPRIYA.

Academic Year : 2022 - 2023
Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	08/12/22	III B.Sc 'A' Biotech	Mushroom Cultivation and value addition.	Spawn Preparation.	ppt
02.	04/01/23		"	Bed Preparation.	ppt
03.	09/01/23		"	Cultivation Layout.	YouTube
04.	12/01/23		"	Storage and Packing	INFLIB-NET
05.	20/12/22	III B.Sc 'B' Biotech.	Mushroom Cultivation & Value addition.	Species Identification	Parashala
06.	29/12/22		"	Mushroom Cultivation	ppt
07.	06/01/23		"	Spawn & Bed Preparation	YouTube
08.	11/01/23		"	Mushroom recipes	YouTube
09.	15/12/22	II M.Sc Biotech.	Bioinformatics	Secondary Structure Prediction software	YouTube
10.	19/01/23		"	Tertiary Structure Prediction software	ppt
11.	02/03/23	II M.Sc Biotech	Regenerative Medicine.	Types of Stem cells.	Parashala
12.	09/03/23		"	Tissue Morphology.	INFLIB-NET

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Details of ICT Enabled Teaching Resources

Department : **BIOTECHNOLOGY**

Academic Year : 2022 - 2023

Name of the Staff : **Mrs. MAHESWARI**

Semester : ☒ Odd / ☐ Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	30/12/22	III. B.Sc. - A Biotech	Environmental Biotechnology	Waste water treatment	PPT
02.	04/01/23	"	"	Solid waste management	Parashala
03.	28/01/23	"	"	Oxidation Pond	videoclips
04.	02/02/23	III. B.Sc. B Biotech	FOOD AND INDUSTRIAL BIOTECHNOLOGY	Probiotics	INFLIB-NET
05.	20/02/23	"	"	Preservation & storage of microbial cultures	PPT
06.	28/12/22	II. B.Sc. Biotech	MARINE BIOTECHNOLOGY	Marine toxins	videoclips
07.	06/01/23	"	"	Types of pesticides	INFLIB-NET
08.	01/02/23	"	"	Pesticide biodegradation	PPT
09.	23/01/23	III. B.Sc. A Biotech	GENDER STUDIES	Gender stereotyping	YouTube
10.	01/03/23	"	"	Women Development & Empowerment	YouTube

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Details of ICT Enabled Teaching Resources

Department : **BIOTECHNOLOGY**

Academic Year : 2022 - 2023

Name of the Staff : **Mr. J. John Vasanth**

Semester : **Odd/Even**

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	16.12.22	IB.Sc B' Biotech.	Genetics.	Replication of DNA.	YouTube
02.	20.12.22		"	DNA repair Mechanism	INFLIB-NET
03.	22.12.22		"	Population genetics	YouTube
04.	28.12.22		"	Polymers Analysis	INFLIB-NET
05.	04.01.23	III B.Sc A' Biotech.	Animal Biotechnology.	Embryo Culture.	ppt
06.	09.01.23		"	Types of cell culture.	ppt
07.	01.02.23.		"	Cell Synchronization	YouTube
08.	03.02.23		"	Apoptosis.	patashala
09.	06.02.23		"	GMO	ppt
10.	19.12.22	IM.Sc Biotech.	Genetic Engineering.	Blotting Techniques	ppt
11.	27.12.22		"	DNA foot printing.	YouTube
12.	10.01.23		"	RFLP / RAPD.	patashala

J. John
Signature of the Staff



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