

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

2.3.2 Details of ICT Enabled Teaching Resources

Department : BIOCHEMISTRY

Academic Year : 2023 - 2024

Name of the Staff : DR. S. KANITHA

Semester : ☒ Odd / ☐ Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	26/6/23	B.Sc Interdisciplinary Biochemistry	Metabolism	Biological oxidation	ICT
02.	11/7/23	"	"	Glycolysis	ICT
03.	14/7/23	"	"	TCA cycle	ICT
04.	26/7/23	"	"	HMP shunt	ICT
05.	27/7/23	"	"	Gluconeogenesis	ICT
06.	2/8/23	"	"	Glyoxalate cycle	ICT
07.	8/8/23	"	"	Cholesterol Biosynthesis	ICT
08.	9/8/23	"	"	Cholesterol Degradation	ICT
09.	11/8/23	"	"	Fatty acid Synthase	ICT
10.	21/8/23	"	"	β -oxidation	ICT
11.	24/8/23	"	"	Lipoprotein	ICT
12.	21/9/23	"	"	Transamination	ICT

Signature of the Staff
Dr. S. Kanitha, M.Sc., M.Phil., Ph.D., SET,
 Assistant Professor and Head,
 Department of Biochemistry,
 J.J. College of Arts and Science (Autonomous),
 Pudukkottai, Tamilnadu.

Signature of the Head of the Department
Dr. S. Kanitha, M.Sc., M.Phil., Ph.D., SET,
 Assistant Professor and Head,
 Department of Biochemistry,
 J.J. College of Arts and Science (Autonomous),
 Pudukkottai, Tamilnadu.

Signature of the Principal
Dr. J. Parasuraman, M.A., M.B.A., M.C.A., M.Phil., B.Ed., Ph.D.,
 PRINCIPAL
 J.J. College of Arts and Science
 (Autonomous)
 J.J. Nagar, Sivapuram Post,
 PUDUKKOTTAI - 622 422

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

2.3.2 Details of ICT Enabled Teaching Resources

Department : BIOCHEMISTRY
Name of the Staff : DR. S. KANITHA

Academic Year : 2023 - 2024
Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
01.	4/12/23	IM.Sc Biochemistry	Cellular Metabolism	Mitochondria	LCT
02.	15/12/23	"	"	Biological oxidation	LCT
03.	18/12/23	"	"	Electron transport chain	LCT
04.	28/12/23	"	"	Glycolysis	LCT
05.	22/1/24	"	"	Regulation of Glycogen metabolism	LCT
06.	15/2/24	"	"	Cholesterol Biosynthesis	LCT
07.	19/2/24	"	"	Cholesterol degradation	LCT
08.	22/2/24	"	"	Biosynthesis of triacylglycerol	LCT
09.	27/2/24	"	"	Triacylglycerol degradation	LCT
10.	29/2/24	"	"	Amino acid metabolism	LCT
11.	14/3/24	"	"	Purine nucleotide biosynthesis	LCT

[Signature]
Signature of the Staff

Dr. S. Kanitha, M.Sc., M.Phil., Ph.D., SET,
 Assistant Professor and Head,
 Department of Biochemistry,
 J.J. College of Arts and Science (Autonomous),
 Pudukkottai, Tamilnadu.



[Signature]
Head of the Department

Dr. S. Kanitha, M.Sc., M.Phil., Ph.D., SET,
 Assistant Professor and Head,
 Department of Biochemistry,
 J.J. College of Arts and Science (Autonomous),
 Pudukkottai, Tamilnadu.

[Signature]
Principal

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

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

2.3.2 Details of ICT Enabled Teaching Resources

Department : Biochemistry

Academic Year : 2023 / 2024

Name of the Staff : P. PALANIAPPAN

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	21/6/23	II MSc	Molecular Endocrinology	Hormone Classification	ICT
2	1/7/23	II MSc	Molecular Endocrinology	Growth hormone	ICT
3	9/7/23	II MSc	Molecular Endocrinology	Hypothalamo - System	ICT
4	7/8/23	II MSc	Molecular Endocrinology	Adrenal Hormone	ICT
5	25/8/23	II MSc	Molecular Endocrinology	Adrenal Disorders	ICT
6	29/8/23	II MSc	Molecular Endocrinology	Phaeochromocytoma	ICT
7	20/9/23	II MSc	Molecular Endocrinology	Testosterone	ICT
8	28/9/23	II MSc	Molecular Endocrinology	Progestogens	ICT
9	27/9/23	II MSc	Molecular Endocrinology	The pancreas	ICT
10	8/10/23	II MSc	Molecular Endocrinology	Insulin	ICT
11	9/10/23	II MSc	Molecular Endocrinology	Signal transduction	ICT
12	13/10/24	II MSc	Molecular Endocrinology	Second Messengers	ICT

P. Palaniappan
Signature of the Staff

[Signature]
Head of the Department
Dr. S. Kanitha, M.Sc., M.Phil., Ph.D., SET,
Assistant Professor and Head,
Department of Biochemistry,
J.J. College of Arts and Science (Autonomous),
Pudukkottai, Tamilnadu.



[Signature]
Dr. J. PARASURAMAN, M.A., M.R.
PRINCIPAL
College of Arts and Science (Autonomous)
J.J. Nagar, Sivapuram Post, Pudukkottai

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

2.3.2 Details of ICT Enabled Teaching Resources

Department : Biochemistry
 Name of the Staff : P. PALANIAPPAN

Academic Year : 2023 - 2024
 Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	12/12/23	III BSc	Endocrinology	Hormone Mechanism of action	ICT
2	21/1/24	III BSc	Endocrinology	Pituitary hormone	ICT
3	8/1/24	III BSc	Endocrinology	ACTH	ICT
4	20/1/24	III BSc	Endocrinology	Thyroid - Biosynthesis Regulation	ICT
5	29/2/24	III BSc	Endocrinology	Addison's disease	ICT
6	13/3/24	III BSc	Endocrinology	Gametogenesis	ICT
7	20/3/24	III BSc	Endocrinology	Testosterone	ICT
8	23/3/24	III BSc	Endocrinology	Oestrogenes	ICT
9	24/3/24	III BSc	Endocrinology	Hypogonadism	ICT
10	27/3/24	III BSc	Endocrinology	Hypogonadism in male	ICT
11	29/3/24	III BSc	Endocrinology	Amenorrhoea	ICT
12	30/3/24	III BSc	Endocrinology	Dysmenorrhoea	ICT

Signature of the Staff



Head of the Department

Dr. S. Karitha, M.Sc., M.Phil., Ph.D., SET,
 Assistant Professor and Head,
 Department of Biochemistry,
 J.J. College of Arts and Science (Autonomous),
 Pudukkottai, Tamilnadu.

Principal

Dr. J. PARASURAMAN, M.A., M.B.A., M.C.,
 M.Phil., B.Ed., P.T.

PRINCIPAL

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

J.J. Nagar, Sivapuram Post.

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

2.3.2 Details of ICT Enabled Teaching Resources

Department : BIOCHEMISTRY Academic Year : 2023 - 2024
 Name of the Staff : DR. R. RAMESH. Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	21.06.23	II M.Sc	Pharmacology and Toxicology	Classification of Drugs	PPT
2	04.07.23	II M.Sc	Pharmacology and Toxicology	Cytochrome P450 Enzyme	"
3	14.07.23	II M.Sc	"	Drug Excretion	"
4	26.07.23	II M.Sc	"	Anti Infective Agents	"
5	02.08.23	II M.Sc	"	Anti Viral Agents	"
6	21.08.23	II M.Sc	"	Anticoagulants	"
7	07.09.23	II M.Sc	"	Scope of Toxicology	"
8	22.09.23	II M.Sc	"	Biotransformation	"
9	28.09.23	II M.Sc	"	Classification of Toxic Agents	"
10	03.10.23	II M.Sc	"	Plant and Animal Toxins	"
11	04.10.23	II M.Sc	"	Hepatotoxicity	"
12.	05.10.23	II M.Sc	"	Oxidative Stress	"

[Signature]
 Signature of the Staff



[Signature]
 12/11/24
Head of the Department
 Dr. S. Kanitha, M.Sc., M.Phil., Ph.D., SET,
 Assistant Professor and Head,
 Department of Biochemistry,
 J.J. College of Arts and Science (Autonomous),
 Pudukkottai, Tamilnadu.

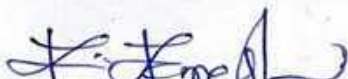
[Signature]
 12/11/24
PRINCIPAL
 J.J. College of Arts and Science
 (Autonomous)
 J.J. Nagar, Sivapuram Post,
 PUDUKKOTTAI - 622 422

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

2.3.2 Details of ICT Enabled Teaching Resources

Department : BIOCHEMISTRY Academic Year : 2023 - 2024
 Name of the Staff : DR. R. RAMESH Semester : Odd / Even ☒

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	12.12.23	III - B.Sc	Biotechnology and Genetic Engineering	Types of Restriction Enzyme	PPT
2	20.12.23	"	"	Plasmids	"
3	29.12.23	"	"	Gene library	"
4	19.01.24	"	"	Blotting Techniques	"
5	30.01.24	"	"	Southern Blotting	"
6	12.02.24	"	"	Western Blotting	"
7	13.02.24	"	"	Plant Tissue culture	"
8	29.02.24	"	"	Mammalian cell culture	"
9	01.03.24	"	"	In vitro Fertilization	"
10	04.03.24	"	"	Applications of Genetic Engineering	"
11	14.03.24	"	"	Transgenic Animals	"
12	18.03.24	"	"	Genetically Modified Plant	"


 Signature of the Staff




 Head of the Department
 S. Kanitha, M.Sc., M.Phil., Ph.D., SET,
 Assistant Professor and Head,
 Department of Biochemistry,
 College of Arts and Science (Autonomous),
 Pudukkottai, Tamilnadu.


 Dr. J. PARASURAMA, M.A., M.C.,
 M.Phil., B.Ed., Ph.D.
 PRINCIPAL
 J.J. College of Arts and Science
 (Autonomous)
 J.J. Nagar, Sivapuram Post,
 PUDUKKOTTAI - 622 422

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

J.J. Nagar, Sivapuram Post, Pudukkottai

2.3.2 Details of ICT Enabled Teaching Resources

Department

Biochemistry

Academic Year

: 2023 - 2024

Name of the Staff

Raghavi. V

Semester

: Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	19/6/23	II MSc	Molecular Biology	Introduction of Cell.	PPT
2	3/7/23	II M.Sc	"	Eukaryotic cell.	PPT
3	7/7/23	"	"	cell cycle.	PPT
4	19/7/23	"	"	chromosome.	PPT
5	21/7/23	"	"	euchromatin.	PPT
6	31/7/23	"	"	crossing over.	PPT
7	1/8/23	"	"	chromosome Map	PPT
8	3/8/23	"	"	Forms of DNA	PPT
9	7/8/23	"	"	central Dogma of molecules.	PPT
10	9/9/23	"	"	Replication.	PPT
11	25/9/23	"	"	Transcription	PPT
12	9/10/23	"	"	Translation.	PPT

Signature of the Staff



Head of the Department

Dr. S. Kanitha, M.Sc., M.Phil., Ph.D., SET,
Assistant Professor and Head,
Department of Biochemistry,
J.J. College of Arts and Science (Autonomous),
Pudukkottai, Tamilnadu.

Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A., M.Phil., B.Ed., Ph.D.

PRINCIPAL

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

**J.J. Nagar, Sivapuram Post,
PUDUKKOTTAI - 622 422**

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

2.3.2 Details of ICT Enabled Teaching Resources

Department : Biochemistry
 Name of the Staff : Raghav. V

Academic Year : 2023 - 2024
 Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	14/12/23	<u>III</u> B.Sc	<u>Immunology</u>	<u>Innate Immunity</u>	ICT
2	18/12/23	"	" "	<u>Biochemical factors</u>	ICT
3	29/12/23	"	"	<u>Intracellular Killing</u>	ICT
4	5/1/24	"	"	<u>Genetics factors</u>	ICT
5	12/1/24	"	"	<u>Immunity</u>	ICT
6	22/1/24	"	"	<u>Antibacterial Immunity</u>	ICT
7	29/1/24	"	"	<u>Lymphoid Organs</u>	ICT
8	30/1/24	"	"	<u>Thymus</u>	ICT
9	2/2/24	"	"	<u>Haematopoietic</u>	ICT
10	4/2/24	"	"	<u>complement system</u>	ICT
11	10/2/24	"	"	<u>Antigen</u>	ICT
12	4/3/24	"	"	<u>Immunofluorescence</u>	ICT

Signature of the Staff

R. Raghav. V



Head of the Department

Dr. S. Kanitha, M.Sc., M.Phil., Ph.D., SET,
 Assistant Professor and Head,
 Department of Biochemistry,
 J.J. College of Arts and Science (Autonomous),
 Pudukkottai, Tamil Nadu.

Nith

Principal

Dr. J. Parasuraman, M.A., M.B.A., M.C.A.,
 M.Phil., B.Ed., Ph.D.

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

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

2.3.2 Details of ICT Enabled Teaching Resources

Department : BIOCHEMISTRY

Academic Year : 2023 - 2024

Name of the Staff : Dr. M. SATHUVAN

Semester : ☒ Odd / ☐ Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	11/07/2023	II PU	Immunology	Mucosa associated Lymphoid tissue	PPT
2.	13/07/23	II PU	Immunology	Lymphocytes	PPT
3.	21/07/23	II PU	Immunology	Principle of ELISA	PPT
4.	26/07/23	II PU	Immunology	Immune Response to transplant tissues	PPT
5.	08/08/23	II PU	Immunology	MHC in Adaptive Immune Responses.	PPT
6.	25/08/23	II PU	Immunology	cytotoxic T- lymphocytes (CTLs)	PPT
7.	04/09/23	II PU	Immunology	Transplant rejection.	PPT
8.	20/9/23	II PU	Immunology	Vaccines.	PPT
9.	22/09/23	II PU	Immunology	Properties of ideal Vaccine	PPT
10	26/09/23	II PU	Immunology	Disadvantages of vaccine	PPT
11	5/10/23	II PU	Immunology	Live, attenuated vaccine	PPT
12	6/10/23	II PU	Immunology	Subunit Vaccine	PPT


 Signature of the Staff




 Head of the Department
 Dr. S. Kanitha, M.Sc., M.Phil., Ph.D., SET,
 Assistant Professor and Head,
 Department of Biochemistry,
 J.J. College of Arts and Science (Autonomous),
 Pudukkottai, Tamilnadu.


 Dr. J. PARASURAMAN, M.A., M.C.A.,
 Principal,
PRINCIPAL
 J.J. College of Arts and Science
 (Autonomous)
 J.J. Nagar, Sivapuram Post,
 PUDUKKOTTAI - 622 422.

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

2.3.2 Details of ICT Enabled Teaching Resources

Department : Biochemistry
Name of the Staff : M. Prathishika

Academic Year : 2023 - 2024
Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1.	6/8/2023	II M.Sc	Nutritional & clinical Biochemistry	Pancreatic function test	ICT
2.	16/8/23	"	" "	Gastric function test	ICT
3	24/8/23	"	" "	Hemochromatosis	ICT
4	25/8/23	"	" "	Thalassemia	ICT
5	28/8/23	"	" "	Sickle cell Diseases	ICT
6	29/8/23	"	" "	Polymerase chain Reaction.	ICT
7	30/8/23	"	" "	AIDS	ICT
8	30/9/23	"	" "	Cancer.	ICT
9	23/9/23	"	" "	Neuron specific Enolase.	ICT
10	24/9/23	"	" "	Glycogen storage Disease	ICT
11	26/9/23	"	" "	Lipoprotein metabolism	ICT
12	30/9/23	"	" "	Purine & pyrimidine disorder.	ICT

M. Prathishika
Signature of the Staff



Dr. S. Kanitha
Head of the Department
Dr. S. Kanitha, M.Sc., M.Phil., Ph.D., SET,
Assistant Professor and Head,
Department of Biochemistry,
J.J. College of Arts and Science (Autonomous),
Pudukkottai, Tamilnadu.

Dr. J. Parasuraman
Principal
J.J. College of Arts and Science
(Autonomous)
J.J. Nagar, Sivapuram Post,
PUDUKKOTTAI - 622 422