

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

Details of ICT Enabled Teaching Resources

Department : Botany
Name of the Staff : Dr. A. Krishna Priya

Academic Year : 2022 - 2023
Semester : Odd/ Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	06.02.23	II B.sc	Allied Zoology	Preparation of Vermicompost.	ppt
2	15.2.23	II B.sc	Allied Zoology	Economic importance of vermotechnology.	YouTube
3	17.2.23	II B.sc	Allied Zoology	Nutritive and Medicinal value of Honey.	e-content
4	24.2.2023	II B.sc	Allied Zoology	Types of Silk worms	ppt.
5	28.2.23	III B.sc	Ecology and phytogeography.	Food chain and energy flow.	ppt
6	3.3.23	III B.sc	Ecology and phytogeography	Ecological pyramids.	e-content
7	6.3.23	III B.sc	Ecology and phytogeography	Eco types and Ecospecies	ppt
8	7.3.23	III B.sc	Ecology and phytogeography.	Types of Forests.	YouTube
9	14.3.23	III B.sc	BioInstrumentation and Biostatistics.	Electron (SEM and TEM)	e-content
10	16.3.23	III B.sc	BioInstrumentation and Biostatistics	Buffers & pH	ppt
11	17.3.23	III B.sc	BioInstrumentation and Biostatistics	Gel electrophoresis	YouTube
12	22.3.23	III B.sc	BioInstrumentation and Biostatistics.	Auto radiography	ppt

A. Krishna Priya
Signature of the Staff

Dr. M.A. Parasuraman
Dr. M.A. Parasuraman
 Assistant Professor & Head
 PG and Research Dept. of Botany
 J.J. College of Arts and Science
 Sivapuram, Pudukkottai - 622 422.
 Tamil Nadu, India.

C. Parashar
Principal
Dr. J. PARASURAMAN,
 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

Details of ICT Enabled Teaching Resources

Department : Botany Academic Year : 2022 - 2023
 Name of the Staff : DR. S. VINOTH PON PANDIAN Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	12/12/2022	I BSC	Plant diversity II	Classification of pteridophyte	PPT
2	16/12/2022	I BSC	Plant diversity II	Stealer types.	YouTube
3	19/12/2022	I BSC	Plant diversity II	Classification of Gymnosperms.	E. Padasalai
4	21/12/2022	I BSC	Plant diversity II	Types of Fossils.	PPT
5	27/12/2022	I MSC	Anatomy, Embryology & microtechniques	Meristematic tissue	YouTube
6	29/12/2022	I MSC	Anatomy Embryology & microtechniques	Complex tissue	PPT
7	05/01/2023	I MSC	Anatomy, Embryology & microtechniques	Types of Endosperm.	E. Padasalai
8	09/01/2023	I MSC	Anatomy, Embryology & microtechniques	Apomixis.	YouTube
9	13/01/2023	I MSC	Bio-Instrumentation	Laws of Thermodynamics	PPT
10	19/01/2023	I MSC	Bio-Instrumentation	Transmission Electron microscope TEM	YouTube
11	27/01/2023	I MSC	Bio-Instrumentation	Phosphate and Tris Buffers	E. Padasalai
12	30/01/2023	I MSC	Bio-Instrumentation	UV-Vis Spectroscopy	PPT

S. Vinoth Pon Pandian
 Signature of the Staff

(Signature)
 Head of the Department

Assistant Professor & Head
 PG and Research Dept. of Botan
 J.J. College of Arts and Science
 Sivapuram, Pudukkottai - 622 422
 Tamil Nadu, India.

(Signature)
 Principal
Dr. J. PARASURAMAN, M.A., M.Phil., 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****Details of ICT Enabled Teaching Resources****Department** : Botany**Academic Year** : 2022 - 2023**Name of the Staff** : Dr. J. Mohammed Hussain**Semester** : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	14.12.2022	II B.Sc	Mushroom Technology	History of Mushroom cultivation.	ppt.
2	21.12.2022	II B.Sc	Mushroom Technology	Identification of poisonous mushrooms	e-content
3	29.12.2022	II B.Sc	Mushroom Technology	Nutrient values of mushroom	you tube
4	4.1.2023	II B.Sc	Mushroom Technology	Cultivation of Oyster mushroom	Smart board
5	9.1.2023	III B.Sc	plant Biotechnology	Traditional and Modern Biotechnology	ppt
6	19.1.2023	III B.Sc	plant Biotechnology	Agrobacterium based Vectors.	e-Content
7	23.1.2023	III B.Sc	plant Biotechnology	Restriction Enzymes	ppt
8	30.1.2023	III B.Sc	plant Biotechnology	Chloroplast genome	ppt.
9	7.2.2023	IM.Sc	Cell & Molecular Biology	Microtubules.	e-content
10	15.2.2023	IM.Sc	Cell & Molecular Biology	Programmed Cell-death.	e-content
11	7.3.2023	IM.Sc	Cell & Molecular Biology	Promoters and Terminators.	e-content
12	20.3.2023	IM.Sc	Cell & Molecular Biology	Gene silencing.	ppt

Signature of the Staff



Dr. M. A. ...
Assistant Professor & Head
PG and Research Dept. of Botan
J.J. College of Arts and Science
Sivapuram, Pudukkottai - 622 422
Tamil Nadu, India.

20/3/23

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

Details of ICT Enabled Teaching Resources

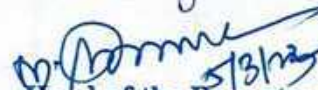
Department : Botany
Name of the Staff : Dr. A. N. Sundar

Academic Year : 2022 - 2023
Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	20.12.22	II B.Sc	Morphology, Taxonomy of Angiosperms & Economic Botany	Inflorescence types	ppt
2	29.12.22	II B.Sc	Morphology, Taxonomy of Angiosperms & Economic Botany	Outline classification of fruits.	YouTube
3	4.1.2023	II B.Sc	Morphology, Taxonomy of Angiosperms & Economic Botany	Natural system of classification.	e-content
4	30.1.2023	II B.Sc	Morphology, Taxonomy of Angiosperms & Economic Botany	Economic Importance of Cereals	ppt
5	16.12.2022	III B.Sc	Organic Farming	Chemical properties of soil	YouTube
6	6.1.2023	III B.Sc	Organic Farming	Soil pollution	e-content
7	11.1.2023	III B.Sc	Organic Farming	Soil residues and Impact of monoculture	ppt
8	27.1.2023	III B.Sc	Organic Farming	Organic manure.	e-content
9	6.2.2023	IM.Sc	Taxonomy of Angiosperms & Economic Botany	Outline of APG system (APG-IV).	ppt
10	22.2.2023	IM.Sc	Taxonomy of Angiosperms & Economic Botany	Principles of ICN	ppt
11	27.2.2023	IM.Sc	Taxonomy of Angiosperms & Economic Botany	Herbarium preparation	Smart Board
12	2.3.2023	IM.Sc	Taxonomy of Angiosperms & Economic Botany	Oil yielding plants	ppt


Signature of the Staff




Dr. M. Arumugam, M.Sc., M.Phil., Ph.D.
 Assistant Professor & Head
 PG and Research Dept. of Botany
 J.J. College of Arts and Science
 Sivapuram, Pudukkottai - 622 422
 Tamil Nadu, India.


Principal

Dr. J. PARASURAMAN, M.A.M.B.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.

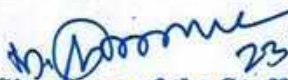
J.J. College of Arts and Science (Autonomous)
J.J. Nagar, Sivapuram Post, Pudukkottai

Details of ICT Enabled Teaching Resources

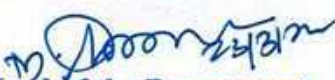
Department : Botany
Name of the Staff : DR. M. Arumugam.

Academic Year : 2022 - 2023
Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	15.12.2022	III B.Sc	plant Tissue Culture	History of plant Tissue culture	ppt
2	21.12.2022	III B.Sc	plant Tissue Culture	Tools and instruments used in plant tissue culture	e-pathsala
3	29.12.2022	III B.Sc	plant Tissue culture.	Totipotency	e-content
4	4.1.2023	III B.Sc	plant Tissue Culture.	Anther culture	ppt
5	20.1.2023	III B.Sc	plant Tissue Culture	Organogenesis	ppt
6	30.1.2023	III B.Sc	plant Tissue Culture	Somatic embryogenesis	YouTube
7	6.2.2023	III B.Sc	plant Tissue Culture	Secondary metabolites of plants	ppt
8	15.2.2023	III B.Sc	plant Tissue Culture	Somatic hybridization	e-content
9	24.2.2023	III B.Sc	plant-Tissue Culture.	Bio-reactor	ppt
10	3.3.2023	III B.Sc	plant Tissue culture.	Synthetic seed technology	YouTube
11	14.3.2023	III B.Sc	plant Tissue Culture.	Cell immobilization	ppt
12	21.3.2023	III B.Sc	plant Tissue Culture.	Importance and application of plant tissue culture in Forestry.	ppt.


Signature of the Staff


Dr. M. Arumugam, M.Sc., M.Phil., Ph.D.
 Assistant Professor & Head
 PG and Research Dept. of Botany
 J.J. College of Arts and Science
 Sivapuram, Pudukkottai - 622 422
 Tamil Nadu, India.


Head of the Department


Dr. J. PARASURAMAN, 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

Details of ICT Enabled Teaching Resources

Department : Botany

Academic Year : 2022 - 2023

Name of the Staff : Dr. S. Vinoth Pon Pandian

Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	8-7-2022	II B.Sc	Anatomy and Embryology of Angiosperms.	Concept of Totipotency	Ppt.
2	21-7-2022	II B.Sc	Anatomy and Embryology of Angiosperms.	Structure and function of simple tissues (Parenchyma, Collenchyma)	You tube
3	4-8-2022	II B.Sc	Anatomy and Embryology of Angiosperms.	Structure of stem in Dicotyledons and Monocotyledons	e-content
4	23-8-2022	II B.Sc	Anatomy and Embryology of Angiosperms.	polyembryony	ppt.
5	26-8-2022	III B.Sc	plant physiology, Biochemistry and Biophysics	Laws of Thermodynamics	ppt
6	8-9-2022	III B.Sc	plant physiology Biochemistry and Biophysics.	Concept of Entropy and Enthalpy.	ppt
7	14-9-2022	III B.Sc	plant physiology, Biochemistry and Biophysics.	ATP Bioenergetics	e-content
8	16-9-2022	III B.Sc	plant physiology Biochemistry and Biophysics.	Electromagnetic spectrum	You tube
9	10-8-2022	IM.Sc	Microbiology and plant pathology	Actinomyces	e-content
10	12-9-2022	IM.Sc	Microbiology and plant pathology	Mycoplasma	ppt
11	17-10-2022	IM.Sc	Microbiology and plant pathology	Drug resistance in microbes	You tube
12	26-10-2022	IM.Sc	Microbiology and plant pathology	Blight of paddy	ppt-

S. Vinoth Pon Pandian
Signature of the Staff



M. Doran
Head of the Department
 Assistant Professor & Head
 PG and Research Dept. of Botany
 J.J. College of Arts and Science
 Sivapuram, Pudukkottai - 622 422
 Tamil Nadu, India.

G. Parasuraman
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

Details of ICT Enabled Teaching Resources

Department : Botany
Name of the Staff : Dr. M. Arumugam

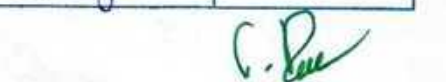
Academic Year : 2022 - 2023
Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	4-8-2022	I B.sc	Plant Diversity I	Diatoms	ppt.
2	18-8-2022	I B.sc	Plant Diversity I	Sargassum	You tube
3	9-9-2022	I B.sc	Plant Diversity - I	Economic importance of Algae	e-content
4	14-10-2022	I B.sc	Plant Diversity - I	Harmful effects of Fungi	ppt.
5	5-7-2022	III B.sc	Microbiology and Immunology	Classification of Bacteria based on Berger's manual	e-content
6	22-8-2022	III B.sc	Microbiology and Immunology	Structure and composition of bacterial cell wall	ppt.
7	7-9-2022	III B.sc	Microbiology and Immunology	Types of Antigens	You tube
8	15-9-2022	III B.sc	Microbiology and Immunology	Immunoglobulin	ppt.
9	17-8-2022	IM.sc	Bio-fertilizers and Agriculture sustainability	Classification of Bio-fertilizers	You tube
10	13-9-2022	IM.sc	Bio-fertilizers and Agriculture sustainability	Rhizobium	ppt
11	20-10-2022	IM.sc	Bio-fertilizers and Agriculture sustainability	Phosphate solubilizer	e-content
12	9-11-2022	IM.sc	Bio-fertilizers and Agriculture sustainability	Field application of Endomycorrhiza	ppt-


Signature of the Staff




Head of the Department, Ph.D.
 Assistant Professor & Head
 PG and Research Dept. of Botany
 J.J. College of Arts and Science
 Sivapuram, Pudukkottai - 622 422
 Tamil Nadu, India.


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

Details of ICT Enabled Teaching Resources

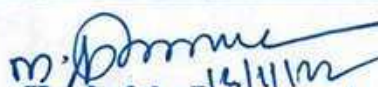
Department : Botany
Name of the Staff : DR. A. N. SUNDAR.

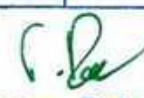
Academic Year : 2022 - 2023
Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	20.7.2022	III BSc	Biofertilizer	Classification of Biofertilizers	ppt
2	29.7.2022	III BSc	Biofertilizer	Rhizobium	Youtube
3	1-8.2022	III B.Sc	Biofertilizer	Isolation of Azospirillum	Smart Board
4	10.8.2022	III BSc	Biofertilizer	Endomycorrhizae	PPT
5	18.8.2022	IMSc	plant diversity II	General characters of pteridophytes.	E-Content.
6	26.8.2022	IM.Sc	plant diversity II	Apogamy and Apospory	Youtube
7	1-9.2022	IM.Sc	plant diversity II.	Sporophytes of Marsilea	ppt
8	29.9.2022	IM.Sc.	plant diversity II	Geological Time scale	E-Content
9	10.10.2022	IIM.Sc	plant physiology Biochemistry	Structure of Atoms	Youtube
10	19.10.2022	IIM.Sc	plant physiology Biochemistry	Classification of Lipids	PPT
11	1.11.2022	IIM.Sc	plant physiology Biochemistry	Photo phosphorylation	Youtube
12	7.11.2022	IIM.Sc	plant physiology Biochemistry	Nitrogen metabolism	PPT.


Signature of the Staff




Head of the Department
 Dr. M. Arumugam, M.Sc., M.Phil., Ph.D.
 Assistant Professor & Head
 PG and Research Dept. of Botany
 J.J. College of Arts and Science
 Sivapuram, Pudukkottai - 622 422
 Tamil Nadu


Principal
 Dr. J. PARASURAMAN, M.B.A., MCA., 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

Details of ICT Enabled Teaching Resources

Department : Botany
 Name of the Staff : Dr. P. Raja.

Academic Year : 2022 - 2023
 Semester : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	8.8.2022	I B.sc	plant diversity.I	General Characters of Algae	ppt
2	16.8.2022	I B.sc	plant diversity.I	Economic importance of Algae	you tube
3	1.9.2022	I B.sc	plant diversity.I	Economic importance of Fungi	e-content
4	14.9.2022	I B.sc	plant diversity.I	Ecological significance of Lichens	ppt
5	19.9.2022	III B.sc	Biochemistry plant physiology	Laws of Thermodynamics	ppt
6	27.9.2022	III B.sc	Biochemistry plant physiology	Classification of Lipids	e-content
7	14.10.2022	III B.sc	Biochemistry plant physiology	plasmolysis and its importance	Smart board
8	27.10.2022	III B.sc	Biochemistry plant physiology	C ₃ and C ₄ plants	e-content
9	1.11.2022	I M.sc	Microbiology & plant pathology	Actinomycetes	ppt
10	7.11.2022	I M.sc	Microbiology & plant pathology	Methods of Food Preservation	e-content
11	7.11.2022	I M.sc	Microbiology & Plant pathology	Drug resistance in microbes	ppt
12	14.11.2022	I M.sc	Microbiology & plant pathology	Integrated Disease Management	ppt



P. Raja
 Signature of the Staff

M. Dromu
 Head of the Department
 Assistant Professor & Head
 PG and Research Dept. of Botany
 J.J. College of Arts and Science
 Sivapuram, Pudukkottai - 622 422
 Tamil Nadu, India

G. Parasuraman
 Principal
 Dr. J. PARASURAMAN, M.A., M.B.A., M.Phil., B.Ed.
 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

Details of ICT Enabled Teaching Resources

Department : Botany
Name of the Staff : K. Thamaraichelvi

Academic Year : 2022 - 2023
Semester : Odd / Even

SL No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	6-7-2022	II B.sc	Allied Zoology	Classification of Invertebrates	ppt
2	22-7-2022	II B.sc	Allied Zoology	General characters of Chordates	e-Content
3	3-8-2022	II B.sc	Allied Zoology	Human Nervous system	ppt
4	17-8-2022	II B.sc	Allied Zoology	Human excretory system.	e-Content
5	23-8-2022	II B.sc	First Aid Management and safety measures	Principles of First Aid	ppt
6	8-9-2022	III B.sc	First Aid Management and safety measures	Diabetes	e-Content
7	16-9-2022	III B.sc	First Aid management and safety measures	External and Internal injuries	ppt
8	26-9-2022	III B.sc	First Aid management and safety measures	First Aid Kits	ppt
9	8-7-2022	III M.sc	Plant Ecology Conservation Biology	Ecological pyramids	e-Content
10	4-8-2022	III M.sc	Plant Ecology Conservation Biology	Noise pollution	Smart Board
11	7-10-2022	II M.sc	Plant Ecology Conservation Biology	Ex-situ Conservation	ppt
12	28-10-2022	II M.sc	Plant Ecology Conservation Biology	Endemism	ppt

K. Thamaraichelvi
Signature of the Staff



M. Arumugam
Head of the Department
 Dr. M. Arumugam, M.Sc. M.Phil., Ph.D.
 Assistant Professor & Head
 PG and Research Dept. of Botany
 J.J. College of Arts and Science
 Sivapuram, Pudukkottai - 622 422
 Tamil Nadu, India

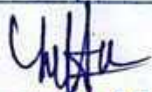
Dr. J. Parasuraman
Principal
 Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.,
 M.Phil., B.Ed., Ph.D.
PRINCIPAL
 J.J. College of Arts and Science (Autonomous)
 J.J. Nagar, Sivapuram Post,
 PUDUKKOTTAI - 622 422.

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

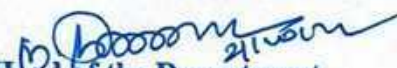
Details of ICT Enabled Teaching Resources

Department : Botany **Academic Year** : 2022 - 2023
Name of the Staff : Dr. J. Mohammed Hussain **Semester** : Odd / Even

Sl. No.	Date	Class	Course Title	Topic	Type of ICT Tool(s) used
1	14.7.2022	III B.sc	Cell Biology and Molecular Genetics	Prokaryotic cells	e-content
2	27.7.2022	III B.sc	Cell Biology and Molecular Genetics	plasma membrane chemical composition	ppt
3	3.8.2022	III B.sc	Cell Biology and Molecular Genetics	Structure of cellular organelle	You tube
4	8.9.2022	III B.sc	Cell Biology and Molecular Genetics	Golgi complex, Lysosomes, Ribosomes	ppt.
5	11.8.2022	IM.sc	plant diversity-I	cell wall and flagella	You tube
6	2.9.2022	IM.sc	plant diversity I	Algae Reproduction (Asexual and sexual life cycle)	e-content
7	7.10.2022	IM.sc	plant-diversity-I	cyanophyceae	ppt
8	26.10.2022	IM.sc	plant Diversity-I	Identification of Lichens	ppt.
9	7.7.2022	IIM.sc	Research Methodology	Index card preparation	e-content
10	12.8.2022	IIM.sc	Research methodology	Thesis writing	ppt.
11	12.9.2022	IIM.sc	Research methodology	Preparation for oral and poster presentation	e-content
12	21.10.2022	IIM.sc	Research methodology	Intellectual property rights	ppt


Signature of the Staff




Head of the Department
 Dr. M. Anandam, M.Sc., M.Phil., Ph.D.
 Assistant Professor & Head
 PG and Research Dept. of Botany
 J.J. College of Arts and Science
 Sivapuram, Pudukkottai - 622 422
 Tamil Nadu, India.


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