(An Autonomous Institution, Affiliated to Madurai Kamaraj University)

[Re-accredited with 'A' Grade by NAAC]

Virudhunagar – 626 001.

BOARD OF STUDIES MEETING

Department : Environmental Science

Board : Environmental Assessment and Remediation

The Third Board of Studies Meeting for the course B. Voc. Environmental Assessment and Remediation will be held on Saturday the afternoon of 17th February 2018, at 2.00 p.m. in the department of environmental science (B.Voc.).

Agenda:

- 1. To discuss and approve the draft syllabus for the III year.
- 2. To prepare the panel of examiners for each paper.
- 3. Other matters with the permission of the Chair person.

S.No.	Name and Official Address	Category
1.	Dr. M. VIGNEESWARAN	
	Head & Assistant Professor of Environmental Science,	Chair Person
	VHNSN College (Autonomous), Virudhunagar.	Chair i Cison
2.	Dr. M. ANAND	
	Assistant Professor,	
	Department of Marine and Coastal Studies,	
	School of Energy, Environment &	University Nominee
	Natural Resources, Madurai Kamaraj University,	
	Palkalai Nagar, Madurai-625 021	
3.	Dr. S. MUTHURAMKUMAR	
	Assistant Professor,	
	Research Department of Botany,	Subject Expert
	VHNSN College (Autonomous), Virudhunagar.	
4.	Dr. S. VIVEKANANDHAN	
	Assistant Professor,	20 - 10 - 10
	Research Department of Physics,	Subject Expert
	VHNSN College (Autonomous), Virudhunagar.	
5.	Dr. M. KANNAN	
	Assistant Professor,	
	Research Department of Zoology,	Subject Expert
	VHNSN College (Autonomous), Virudhunagar.	
Ď.	Dr. G. MAHENDRA PERUMAL,	
	Research Department of Botany.	Subject Expert
	VHNSN College (Autonomous), Virudhunagar.	Subject Expert
	Mr. R. MANIKANDAN	
	Manager of sugapriya mineral water company Pvt.Ltd.	Industrial /
	6/24 C, Pillayarnatham, Srivilliputtur – 626 125,	Corporate Sector
	Virudhunagar.	Corporate Sector

17.02.2018

17.02.2018



(An Autonomous Institution, Affiliated to Madurai Kamaraj University)

[Re-accredited with 'A' Grade by NAAC]

Virudhunagar – 626 001.

Board of studies meeting held on 17.02.2018 for B.Voc. Programme on Environmental Assessment and Remediation

Minutes of the meeting

The board of studies meeting for B.Voc. Programme on Environmental Assessment and Remediation was held today at 2.00 p.m. in the Department of Environmental science (B.Voc.).

The following resolutions were passed in the meeting:

- Resolved to approve the content of the syllabus is reduced the following titles like Solid Waste Recycling and Processing, Ecotoxicology and Human Health and Bioremediation-II papers.
- 2. Some additional information like microscopic techniques included in Environmental Nanotechnology paper.
- 3. The e-waste management also included in lab V1- Solid waste Assessment and Remediation –II practical's.
- 4. We included the references books for each paper.
- 5. Detailed discussion was made on the draft syllabus, modifications were made in them and the final syllabus was approved.



(An Autonomous Institution, Affiliated to Madurai Kamaraj University)

[Re-accredited with 'A' Grade by NAAC]

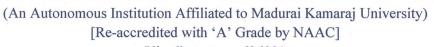
Virudhunagar – 626 001.

17.02.2018

Members Present:

S.No.	Name and Official Address	Signature
1.	Dr. M. VIGNEESWARAN	111/
	Head & Assistant Professor of Environmental Science,	M. Vigun Saran
	VHNSN College (Autonomous), Virudhunagar.	The special section of the section o
2.	Dr. M. ANAND	
	Assistant Professor,	\mathcal{O}
	Department of Marine and Coastal Studies,	
	School of Energy, Environment &	MC
	Natural Resources,	12/2/18.
	Madurai Kamaraj University, Palkalai Nagar,	(-() 2
	Madurai-625 021	
3.	Dr. S. MUTHURAMKUMAR	
	Assistant Professor,	5. Multinkanking
	Research Department of Botany,	
	VHNSN College (Autonomous), Virudhunagar.	
4.	Dr. S. VIVEKANANDHAN	0.1
	Assistant Professor,	The form of son
	Research Department of Physics,	Chorage A
<u>.</u>	VHNSN College (Autonomous), Virudhunagar.	
5.	Dr. M. KANNAN	
	Assistant Professor,	Many and
	Research Department of Zoology,	Isala 11/2/18.
ā	VHNSN College (Autonomous), Virudhunagar.	
6.	Dr. G. MAHENDRA PERUMAL,	
	Research Department of Botany,	G. Mah
	VHNSN College (Autonomous), Virudhunagar.	17/2/2018
7.	Mr. R. MANIKANDAN	
	Manager of sugapriya mineral water company Pvt.Ltd.	VI. Decent
	6/24 C, Pillayarnatham, Srivilliputtur – 626 125,	Not present
	Virudhunagar.	







Virudhunagar - 626001

BOARD OF STUDIES MEETING OF ENVIRONMENTAL ASSESSMENT AND REMEDIATION HELD ON 19.03.2022 MINUTES OF THE MEETING

The Board of Studies Meeting of <u>Environmental Assessment and Remediation</u> was held today (19.03.2022) at <u>2.30 p.m</u>. in the Department of Environmental Science. After having a detailed discussion, the Board resolved the following:

1. Resolved to revise the syllabus of the courses for I year **Environmental Assessment** and Remediation as follows:

Semester I

Subject	Title of the	Title of the	Focus on	Revised / New
Core /	Existing Course	Course after	Employability /	/
Elective /	1	revision	Entrepreneurship /	No Change /
SBE /	8		Skill Development	Interchanged
NME /			· · · · · · · · · · · · · · · · · · ·	If revised % of
SLS	W		o 1 8	change
Allied-1	Communicative	Communicative	Skill Development	No change
,	English - Paper I	English - Paper I		
Allied-2	Mathematics-I	Mathematics-I	Skill Development	No change
Part-IV	Value education	Value education	Skill Development	No change
Core-1	Environmental	Environmental	Skill Development	Revised – 50%
	Science	Science) y e	
Core-2	Environmental	Environmental	Skill Development	Revised – 30%
	Pollution- I	Pollution- I	5 °	
Core 1	LAB:	LAB:	Skill Development	Revised – 20%
Lab	Environmental	Environmental	9	
	Chemistry	Chemistry	6	
7	Internship	Internship	Skill Development	No change



(An Autonomous Institution Affiliated to Madurai Kamaraj University) [Re-accredited with 'A' Grade by NAAC] Virudhunagar – 626001



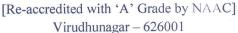
Semester II

Subject	Title of the	Title of the	Focus on	Revised / New	
Core /	Existing Course	Course after	Employability /	/No Change /	
Elective		revision	Entrepreneurship /	Interchanged	
/ SBE /			Skill Development	If revised %	
NME /		8 8	2	of change	
SLS		N N	o.		
Allied-3	Communicative	Communicative	Skill Development	No change	
	English – Paper II	English – Paper II	Skiii Developilient		
Allied-4	Mathematics-II	Mathematics-II	Skill Development	No change	
Allied-5	Basic Computing	Basics of		1 , .	
		Computers for	Skill Development	New	
8		Reports	Skiii Developinent	New	
	- ,	Maintenance	8		
Core-3	Water Quality	Water Quality	C1-111 D1	NI- diame	
	Assessment	Assessment	Skill Development	No change	
Core-4	Water and	Water and		2 5	
x ** ** **	Wastewater	Wastewater	Skill Development	Revised – 10%	
	Remediation	Remediation	Skiii Developinent		
es es	Techniques	Techniques		M = 0	
Core 2	LAB: Water	LAB: Water	Chill Davolonment	Pavigad 200/	
Lab	Analysis	analysis	Skill Development	Revised– 20%	
8 5 9	Industrial Visit	Industrial Visit	Skill Development	No change	

The detailed syllabus passed in the Board of Studies Meeting is given in Annexure – I.



(An Autonomous Institution Affiliated to Madurai Kamaraj University)





The other resolutions were passed in the meeting

- 1. Resolved to approve the changes made in the content of syllabus of papers included in Semester-I such as Environmental Science, Environmental Pollution I, Lab-I: Environmental Chemistry, and Semester-II such as Water Quality Assessment, Water and Wastewater Remediation Techniques and Lab: Water Analysis.
- 2. In Semester-II, Basic Computing changed to Basics of Computers for Reports Maintenance.
- 3. In Semester-I, Environmental Science paper, concept, scope and importance of environmental science and Renewable and non-renewable resources were included and natural cycles were deleted in Unit-I. Unit-II (Atmosphere) and Unit-IV (Lithosphere) were deleted. Unit-III (Ecosystem and Energy flow) changed as Unit-II. Unit-III (Biodiversity and Conservation) and Unit-IV (Environmental Pollution) were included. Unit-V (Environmental Law) was changed as Environmental Policy and Law with some topics.
- 4. In Environmental Pollution-I paper, some topics were added and some were deleted in Unit-I, Unit-II and Unit-IV. One topic was included in Unit-V.
- 5. In Lab: Environmental Chemistry, two old outdated experiments were removed and one topic was included.
- 6. In Semester-II, Water Quality Assessment paper the topic onizonation of water was added.
- 7. In Water and Wastewater Remediation Techniques, no changes were made on Unit-I to Unit-4. Some topics were removed in Unit-V.
- 8. In Lab: Water Analysis, some experiments were removed, some experiments were included and some topics were inter changed.
- 9. Resolved to approve the syllabus for the Value Added Courses viz., Bakery and Confectionery, Biofertilizers, Computer Aided Drug Designing, Organic Gardening and Vermicompost Technology.
- 10. The board suggested preparing and submitting the list of examiners to the Controller of Examination.
- 11. Detailed discussions were made on the syllabus and all the suggested modifications were made in them.
- 12. Resolved to approved 2nd and 3rd year syllabus skeleton by Board of Studies Members as an Annexure-III



(An Autonomous Institution Affiliated to Madurai Kamaraj University) [Re-accredited with 'A' Grade by NAAC]



Virudhunagar - 626001

a. Resorted to approve the panel of Examiners suggested by the members of the Board as given in Annexure-I

Members Present:

19.03.2022

S.No.	Name and Official Address	Category	Signature
1.	Dr. S. Jeyakumar	Chairman	000
	Assistant Professor and Head		Strong !
2.	Dr. S. Kannan	University	
	Professor & Head,	Nominee	1
	Department of Environmental Studies,		Jour !.
	School of Energy, Environmental & Resources,	20	S. Vart.
	Madurai Kamaraj University, Madurai – 625021		>
	Email: skseen@mkuniversity.org		
9	Mobile: 9442021368	7	
3.	Dr. R. Manikandan,	Industrial	1701
	Sugapriya Mineral Water,	Representative	0 ()
	Srivilliputtur - 626125.		Sa. John
	Email: sugapriyamineralwater@gmail.com		
	Mobile: 8903054414		
4.	Dr. A. Ganesh Kumar,	Member	2
	Assistant Professor,		BOULT
	Department of B.Voc.,		A. 2103/2022
	VHNSN College (Autonomous), Virudhunagar.	1	0/19/
5.	Dr. P. Senthil Kumar,	Member	
	Assistant Professor,		Sten S
	Department of B.Voc.,		. 6
	VHNSN College (Autonomous), Virudhunagar.		
6.	Ms. G. Deivanai,	Member	(مُ
	Assistant Professor,		anana
	Department of B.Voc.,		() ool ()
	VHNSN College (Autonomous), Virudhunagar.		9/1
7.	Dr. M. Kannan,	Member	
	Assistant Professor,		KIN Savar
	Department of Zoology,		MA DON'C
	VHNSN College (Autonomous), Virudhunagar.		1.00

B.Voc. Environmental Assessment & Remediation

List of Examiners

1. Dr. V. Jeyasimga,

Assistant Professor & Head,

Department of Biotechnology,

V.V.Vanniaperumal College for Women (Autonomous),

Virudhunagar – 626001.

Mobile No.: 9942619304

E-mail: jeyasimga@gmail.com

2. Dr. S. Radha,

Assistant Professor,

Department of Microbiology,

The Standard Fireworks Rajaratnam College for Women (Autonomous),

Thiruthangal Road,

Sivakasi - 626123

Mobile No.: 9443670200

E-mail: radha-mb@sfrcollege.edu.in

3. Dr. A. Sarvalingam,

Assistant Professor

Department of Botany & Biotechnology

Sri Kaliswari College (Autonomous),

Virudhunagar main road,

Sivakasi - 626123,

Mobile No. 9047410293

Email: slvmlingam@gmail.com

4. Dr. S. Subha Ranjani,

Assistant Professor & Head,

Department of Microbiology,

The Standard Fireworks Rajaratnam College for Women (Autonomous),

Thiruthangal Road,

Sivakasi - 626123

Mobile No.: 8012232805

E-mail: srjeni10@gmail.com

5. Dr. A. Baskar,

Assistant Professor,

Department of Zoology,

Saiva Bhanu Kshatriya College,

Aruppukottai – 626101.

Mobile No.: 9442531854

E-mail: drarulbaskar@gmail.com



(An Autonomous Institution Affiliated to Madurai Kamaraj University)

[Re-accredited with 'A' Grade by NAAC] Virudhunagar – 626 001.

Course Name: Bachelor of Vocational

Discipline: Environmental Assessment and Remediation

II -Year Syllabus

Annexure-ill

COURSE SCHME: Semester - 3

	8	Hours		Credits				Focus on
Sem	Subject	/ Week	Theory	Skill	Total	Int + Ext =Total	Subject Code	Employability/ Entrepreneurship/ Skill Development
	Soft Skills Development	4	2	1	3	25+75=100	EV16T31	Skill Development
	Human impact on the Environment	4	2	1	3	25+75=100	EV16T32	Skill Development
	Environmental Pollution- II	4	2	1	3	25+75=100	EV16T33	Skill Development
	Air Quality Assessment& Remediation	5	3	1	4	25+75=100	EV16T34	Skill Development
III	Climate change and Carbon Sequestration	5	3	1	4	25+75=100	EV16T35	Skill Development
	LAB: III Air Quality Assessment I	8	0	5	5	40+60=100	EV16P31	Skill Development
	Internship		0	4	4	50(Internal)	EV16ISP3	Skill Development
	Industrial Visit		0	1	1	20(Internal)		
	Project Work		0	3	3	30(Internal)		
	Total	30	12	18	30			

Semester - 4

Sem		Hours/ Credits		Credits		Int+Ext	Subject	Focus on Employability/
	Subject	Week	Theory	Skill	Total	=Total	Code	Entrepreneurship/ Skill Development
	Remote sensing and GIS	4	2 2	1	3	25+75=100	EV16T41	Skill Development
	Air Pollution Control Technologies	4	2	1	3	25+75=100	EV16T42	Skill Development
	Hazardous Waste Management	4	2	1	3	25+75=100	EV16T43	Skill Development
IV	Bioremediation	5	3	1	4	25+75=100	EV16T44	Skill Development
	Indoor Environment Monitoring	5	3	1	4	25+75=100	EV16T45	Skill Development
	LAB IV : Air Quality Assessment II	8	0	5	5	40+60=100	EV16P41	Skill Development
	Internship		0	4	4	50(Internal)	EV16ISP4	Skill Development
-	Industrial Visit		0	1	1	20(Internal)		
	Project Work		0	3	3	30(Internal)		ž
	Total	30	12	18	30			



(An Autonomous Institution Affiliated to Madurai Kamaraj University)
[Re-accredited with 'A' Grade by NAAC]

Virudhunagar - 626 001.

Course Name: Bachelor of Vocational Discipline: Environmental Assessment and Remediation III -Year Syllabus

COURSE SCHME:

Semester - 5

		Hours		Credits				Focus on
Sem	Subject	/ Week	Theory	Skill	Total	Int + Ext =Total	Subject Code	Employability/ Entrepreneurship/ Skill Development
	Solid Waste Recycling and Processing	5	3	1	4	25+75=100	EV16T51	Skill Development
	Bioremediation-II	5	3	1	4	25+75=100	EV16T52	Skill Development
*	Ecotoxicology and Human Health	4	2	1	3	25+75=100	EV16T53	Skill Development
	Circular Economy	4	2	1	3	25+75=100	EV16T54	Skill Development
V	Workplace Hazardous and Occupational Health	4	2	1	3	25+75=100	EV16T55	Skill Development
	LAB: V Solid Waste Assessment and Remediation-I	8	0	5	5	40+60=100	EV16P51	Skill Development
	Internship		0	4	4	50(Internal)	EV16ISP5	Skill Development
	Industrial Visit		0	1	1	20(Internal)		
	Project Work	1	0	3	3	30(Internal)		
	Total	30	12	18	30			:

Semester – 6

Sem		Hours/	(Credits		Int+Ext	Subject	Focus on Employability/
	Subject	Week	Theory	Skill	Total	=Total	Code	Entrepreneurship/ Skill Development
	Applied Pyrolysis and Gasification	5	3	1	4	25+75=100	EV16T61	Skill Development
	Waste to product Conversion Techniques	5	3	1	4	25+75=100	EV16T62	Skill Development
VI	Industrial Hazardous Waste Management	4	2	1	3	25+75=100	EV16T63	Skill Development
	Natural Resources and Conservation	4	2	1	3	25+75=100	EV16T64	Skill Development
	Environmental Nanotechnology	4	2	1	3	25+75=100	EV16T65	Skill Development
-	LAB: VI Solid Waste Assessment and Remediation-II	8	0	5	5	40+60=100	EV16P61	Skill Development
	Internship		0	4	4	50(Internal)	EV16ISP6	Skill Development

Syllabus for those who join from 2022 – 2023 onwards

III - B.Voc. Environmental Assessment and Remediation



(An Autonomous Institution Affiliated to Madurai Kamaraj University)
[Re-accredited with 'A' Grade by NAAC]

Virudhunagar – 626 001.

			0		001
Industrial Visit		0	1	1	20(Internal)
Project Work		0	3	3	30(Internal)
Total	30	12	18	30	







BOARD OF STUDIES MEETING OF <u>ENVIRONMENTAL ASSESSMENT AND</u> <u>REMEDIATION</u> HELD ON <u>(</u>07-06-2023)

MINUTES OF THE MEETING

The Board of Studies Meeting of <u>Environmental Assessment and Remediation</u> was held today (07-06-2023) at <u>2.00 p.m</u>. in the Department of Environmental Science. After having a detailed discussion, the Board resolved the following:

1. Resolved to revise the syllabus of the courses for I year Environmental Assessment and Remediation as follows:

Semester III

				Focus or	n		Course Contribution
Subject Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Employability	Entrepreneurship	Skill Development	Revised / New / No Change / Interchanged If revised % of change	Local/ National/ Global Level
Part-IV	Soft Skills Development	Soft Skills Development			$\sqrt{}$	No change	National Level
Core-5	Human impact on the Environment	Human impact on the Environment			\checkmark	Revised – 30%	Global Level
Core-6	Environmental Pollution- II	Environmental Pollution- II			$\sqrt{}$	Revised – 20%	National Level
Core-7	Air Quality Assessment& Remediation	Air Quality Assessment& Remediation			V	Revised – 50%	National Level
Core-8	Climate change and Carbon Sequestration	Climate change and Carbon Sequestration			V	Revised – 30%	Global Level
Core-3 Lab	LAB: III Air Quality Assessment I	LAB: III Air Quality Assessment I			V	No change	National Level
	Internship	Internship		√		No change	Global Level
	Industrial Visit	Industrial Visit	V			No change	National Level
	Project Work	Project Work			V	No change	Global Level



TO THIS NO.

(An Autonomous Institution Affiliated to Madurai Kamaraj University)
[Accredited with 'A' Grade by NAAC – Ranked 49th in College Category By NIRF 2022]
Virudhunagar – 626 001, Tamil Nadu.

Semester IV

Subject				Focus or	1		Course Contribution
Allied/ Core / Elective / SBE / NME / SLS	Title of the Existing Course	Title of the Course after revision	Employability	Entrepreneurship	Skill Development	Revised / New / No Change / Interchanged If revised % of change	Local/ National/ Global Level
Core-9	Remote sensing and GIS	Remote sensing and GIS			V	Revised – 10%	Global Level
Core-10	Air Pollution Control Technologies	Air Pollution Control Technologies			V	Inter change – 10%	Global Level
Core-11	Hazardous Waste Management	Hazardous Waste Management			V	Revised – 10%	National Level
Core-12	Bioremediation	Bioremediation – I			V	Revised – 10%	Global Level
Core-13	Indoor Environment Monitoring	Indoor Environment Monitoring			V	No change	National Level
Core-4 Lab	LAB IV : Air Quality Assessment II	LAB IV : Air Quality Assessment II			V	No change	National Level
	Internship	Internship		√		No change	Global Level
	Industrial Visit	Industrial Visit	√			No change	National Level
	Project Work	Project Work			√	No change	Global Level

The detailed syllabus passed in the Board of Studies Meeting is given in Annexure – I.

2. Resolved to approve the draft syllabi for **Environmental Assessment and Remediation** with the following changes:

Course	Unit No.	Changes	
Human impact on the Environment	Unit-I	Basic concepts of environment; food safety, and sustainability for public health were added and urbanization were deleted	
	Unit-III	Effects of energy crisis were deleted. Energy crisis on the environment was added	
	Unit-IV	Unit-V from the previous syllabus is shifted over to Unit-IV.	
	Unit-V	Goals, importance and advantages of water conservation were added.	



HNSNO

(An Autonomous Institution Affiliated to Madurai Kamaraj University)

[Accredited with 'A' Grade by NAAC – Ranked 49th in College Category By NIRF 2022]

Virudhunagar – 626 001, Tamil Nadu.

Unit-IV from the previous syllabus was shifted

	Unit-I	Unit-IV from the previous syllabus was shifted over to Unit-I. Causes of environmental pollution was added		
Environmental Pollution- II	Unit-II	Implementation rules of e-waste and reduction steps was changed as a e-waste management and handling Rules.		
	Unit-III	Range, hazardous effects, radiation limits and regulations, suggested solutions of Mobile phone tower radiation were included.		
	Unit-IV	Objectives, treatment and disposal of biomedical waste were added		
	Unit-V	Environmental Protection Act (1986) was added.		
Air Quality Assessment& Remediation	Unit-I	Introduction, importance, sources; issues of Emission inventories were added.		
	Unit-II	Principle, applications, advantages, preventing measures of Air pollution monitoring was included.		
	Unit-III	Definition and Calculation of AQI, Air Quality Index India, Particulate Matter, categories, National Ambient Air Quality Standards (NAAQS) was added.		
	Unit-IV	Types, impact on soil and crop productivity, advantages and disadvantages of Carbon capture and sequestration were added. Renewable energy and CO2 emission was added.		
Climate change and Carbon Sequestration	Unit-I	Definition – causes – effects – facts – control strategies, Mechanisms of Greenhouse effects and Regional climate change in Indian context were added. The topic, Global climate changes was deleted.		
	Unit-II	Health impacts, causes and effects of Global Warming, Solutions to Global Warming in Asia were added.		
	Unit-III	Impacts of climate change were deleted and shifted over to Unit-II.		
LAB: III Air Quality Assessment I		No changes		
	Unit-I	Advantages and limitations of Remote Sensing were included.		
Remote sensing and GIS	Unit-II	Sources of data, Categorization, Image processing system were included.		
	Unit-IV	Unit-V (as per old syllabus) merged to Unit-IV		
	Unit-V	Web GIS newly introduced in this unit.		
	Section-B	In Skill Component, "using any one GIS tools" was added in skill 5		



TSI.

(An Autonomous Institution Affiliated to Madurai Kamaraj University)
[Accredited with 'A' Grade by NAAC – Ranked 49th in College Category By NIRF 2022]
Virudhunagar – 626 001, Tamil Nadu.

Air Pollution Control	Unit-I	Formation and harmful impacts of Gaseous pollutants on environment were added.	
Technologies	Unit-III	Healthcare waste – types was added	
Hazardous Waste Management	Unit-I	Characteristics, classification of hazardous waste were included.	
Bioremediation – I	Heading changed as Bioremediation - I		
	Unit-I	The topic, bioaugmentation & biostimulation were included.	
	Unit-II	Types, factors effecting bioleaching process were added.	
	Unit-V	Heavy metal pollution: Definition was added	
Indoor Environment Monitoring		No changes	
LAB IV : Air Quality Assessment II		No changes	

- 3. Resolved to approve the panel of Examiners suggested by the members of the Board as given in Annexure II.
- 4. (Any other resolutions passed in the meeting): Nil

Members Present:

		Signature
Dr. A. Ganesh Kumar	Chairman	160000
Assistant Professor and Head		07/06/2023
Dr. M. Anand	University Nominee	0//-0/2-2
Assistant Professor & Head i/c		
Department of Marine and Coastal Studies		1
Madurai Kamaraj University		1000
Madurai-625 021		16/200
Email: anandm21@yahoo.com		67/6/2023
msaseen@mkuniversity.org		
Mr. R. Manikandan	Industrial	1 0 1
Sugapriya Mineral Water,	Representative	
Srivilliputtur – 626125		XW. XOV
Email: sugapriyamineralwater@gmail.com		7 21/06/2
Mobile: 89030 54414		011
Or. M. Kannan	Member	
Assistant Professor,		VIIIX UNA
Department of Zoology,		Manus 1 10 3.
VHNSN College (Autonomous),	la control of the con	1/1 7/0/2
Virudhunagar.		
Dr. M. Vigneeswaran,	Member	1 / 1
Assistant Professor,		11/1/ Com.
Department of Zoology,		M. Vigno 116 23
VHNSN College (Autonomous),		1101
Virudhunagar.	Member	/
Mrs. S. Udaya Geetha, Assistant Professor,	Member	9
Department of B.Voc.,		800
/HNSN College (Autonomous),	E	116/2025
Virudhunagar.	9300	
Mrs. R. Abarna	Member	
Assistant Professor,		
Department of B.Voc,	F.	2 An 116/23
/HNSN College (Autonomous),	9	3
/irudhunagar.		
Ms. M. Archanabharathi,	Member	
Assistant Professor,		VI 1 0 I
Department of B.Voc,		Moder
/HNSN College (Autonomous),		M Arch 17/6/23
/irudhunagar.	N ()	N.
Ms. L. Kavithasri Assistant Professor	Member	1 0
Assistant Professor Department of B.Voc		1 las the
/HNSN College (Autonomous)		1. Manither 7/6/28
/ HINNIN L OHEGE LAHIONOMOUGI		