



COURSE OUTCOMES

DEPARTMENT OF B.VOC

I B. Voc., Environmental Assessment and Remediation

SEMESTER 1

Subject Name: Communicative English- Paper I Subject Code: EV22E11/ EV15E1

CO1:	Provide the vital information required to understand the concepts underlying various communication skills.
CO2:	Cover the several aspects of communication in oral and written modes.
CO3:	Facilitate acquisition of necessary language skills.
CO4 :	learn the basic grammar of English language
CO5:	apply knowledge of word power and grammar rules in formal an informal letter writings

Subject Name: Mathematics – I

Subject Code: EV22M11/EV15M1

CO1:	understand basic mathematics, data interpretations.
CO2:	learn about effective presentation of data.
CO3:	acquire knowledge about applications of Differentiation
CO4:	enrich the knowledge about methods of data collection
CO5:	demonstrate the Computations

Subject Name: Value Education

Subject Code: U22VE11

In this course the students will

CO1:	Be sensitized towards value formation.
CO2:	Take responsibility with regard to making positive personal and social choices.
CO3:	Choose their own personal, social, moral and spiritual values and be aware of
	practical methods for developing and deepening them.

Subject Name: Environmental Science

Subject Code: EV22C11

On successful completion of the course, the learners will be able to

CO1:	recognize the importance of environment and role of Individuals in its protection.
CO2:	explain the key concepts of Ecosystem, Food Web and Bio geochemical.
CO3:	apply the right measures for the sustainable use of natural resources.
CO4:	analyze the ethical, cross-cultural, and historical context of environmental issues and the links between Human and Natural Systems.
CO5:	examine the impact of human action on the biological environment



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Virudhunagar – 626 001.

Subject Name: Environmental Pollution-I

On successful completion of the course, the learners will be able to

CO1:	focus the impact and monitoring of Air pollution
CO2:	understand various types of water pollution and analysis of water quality.
CO3:	know the effect of heavy metals and their interactions with soil components.
CO4:	discuss the effect of noise pollutants on human beings.
CO5:	simplify pollution control method

Subject Name: LAB: Environmental Chemistry

Subject Code: EV22CP11

In this course the students will

CO1:	Learn the microbiological laboratory safety procedures.
CO2:	Gain the basic knowledge about the preparation of bacteriological Media – Nutrient
	Agar, Broth and Slant.

SEMESTER – II

Subject Name: Communicative English- Paper II

Subject Code: EV22E21/EV15E2

In this course the students will

CO1:	develop in students the proficiency in speaking and writing for different purposes.
CO2:	demonstrate communication skills in English.
CO3:	understand the nuances of the language.
CO4:	classify the business English
CO5:	use the situational speech

Subject Name: Mathematics II

Subject Code: EV22M21/ EV15M2

On successful completion of the course, the learners will be able to

CO1:	learn about Algebra of matrices, basics of sampling techniques
CO2:	understand basic test of significance
CO3:	Demonstrate the effective presentation of data.
CO4:	define the statistical hypothesis
CO5:	appraise the test of significance



Subject Code: EV22C12





Subject Name: BASICS OF COMPUTERS FOR REPORTS MAINTENANCE Subject Code: EV22CS21

On successful completion of the course, the learners will be able to

CO1:	demonstrate the ability to produce a quality manual.
CO2:	understand the knowledge of certification and accreditation.
CO3:	discuss the knowledge and insight of different quality management systems i.e.
CO4:	appraise the knowledge of auditing and auditing systems.
CO5:	critique the current state of the art in Quality Management

Subject Name: Water Quality AssessmentSubject Code: EV22C21/EV15T21

On successful completion of the course, the learners will be able to

CO1:	provide adequate knowledge about water.
CO2:	study the chemical composition of water.
CO3:	get knowledge about control measure of water pollutants
CO4:	define the fundamentals idea about water analysis.
CO5 :	demonstrate the water analysis

Subject Name: Water and wastewater remediation Techniques

Subject Code: EV22C22

On successful completion of the course, the learners will be able to

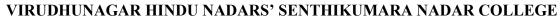
CO1:	outline adequate knowledge about water treatment process.
CO2:	explain the various methods of sewage treatment.
CO3:	get awareness about natural water purification.
CO4:	understand the fundamentals idea about instrument methods of water analysis.
CO5:	asses the Instrumental method of analysis

Subject Name: Lab: Water analytical

Subject Code: EV22CP21

In this course the students will

CO1:	Get adequate knowledge about water sampling methods for microbiological
	analysis.
CO2:	Study the isolation and identification of Microbes from soil and air using air
	sampler.





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COURSE OUTCOME

SEMESTER III Soft Skills Development

Subject Code: EV16T31

• To develop effective communication skills, presentation skills, self-confident individuals by mastering inter-personal skills, team management skills, and leadership skills.

Human impact on the Environment

Subject Code: EV16T32

- To provide plenty knowledge about Human impacts.
- To understand the various pollutants of environment.

Air Quality Assessment & Remediation

Subject Code: EV16T34

• To understand the various the air quality and measurement and remediation.

Climate change and Carbon Sequestration

Subject Code: EV16T35

• To provide knowledge about Climate and carbon sequestration.

SEMESTER IV

Remote sensing and GIS

Subject Code: EV16T41

• This subject explains the basic concepts of Remote Sensing and Geographic Information Systems with its applications.

Air Pollution Control Technologies

Subject Code: EV16T42

- To understand various components of air pollution
- To study various techniques for controlling air pollution

Hazardous Waste Management

Subject Code: EV16T43

- To understand medical waste generation and their health and environmental impact.
- To study the various disposal and processing technology of medical waste.
- To understand the various other Hazardous materials and their management techniques.

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Bioremediation

Subject Code: EV16T44

- To impart sufficient scientific understanding of the current environmental tribulations and global concern.
- To focus the process of bioremediation, mechanisms, types, success stories& monitoring strategies.
- To focus the advance molecular techniques to facilitate bioremediation technology.
- To apply the concepts of bioremediation technology to the real time problems.

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COURSE OUTCOME

SEMESTER V

Solid Waste Recycling and Processing

Subject Code: EV16T51

• To study the various waste management and reduction, waste recycling, and discuss the recycling processing

Bioremediation-II

Subject Code: EV16T52

- To provide plenty knowledge about Bioremediation
- To understand the various pollutants of environment.

Ecotoxicology and Human Health

Subject Code: EV16T53

- To provide knowledge about Ecotoxicology and Human Health
- To study the various toxic substances and effect on Human health

Circular Economy

Subject Code: EV16T54

- To provide knowledge on linear and circular economic practices
- To understand the impact of circular economic practices in environment, economic and employment.
- To understand the various emerging business sectors based on Circular Economy

Workplace Hazardous and Occupational Health

Subject Code: EV16T55

• To know the workplace hazarders and occupational Health on various occasion

SEMESTER VI

Applied Pyrolysis and Gasification

Subject Code: EV16T61

• To Know the pyrolysis and gasification process, biochemical and high energy producing biomass etc.

Waste to product Conversion Techniques

Subject Code: EV16T62

• To Know the waste products and Waste Processing Techniques in the form useful products



Industrial Hazardous Waste Management

Subject Code: EV16T63

- To understand Industrial hazardous waste generation and their health and environmental impact.
- To study the various disposal and processing technology of Industrial hazardous waste.
- To understand the various other Industrial Hazardous materials and their management techniques.

Natural Resources and Conservation

Subject Code: EV16T64

• To study the Natural resources and different conservation process

Environmental Nanotechnology

Subject Code: EV16T65

- To understand the concept of nanoscience, nanotechnology and nanomaterials
- To study the various uses of nanostructured materials for environmental applications
- To understand the nano enabled devices for environmental monitoring
- To understand the nano toxicity and common lab safety practices



COURSE OUTCOMES

UNDERGRADUATE

<u>III - Year</u>

V - Semester

Employability Skills

Subject Code: U1PS51

In this course, the students will

CO1:	Enrich them with the employability skills like reasoning skills and aptitude skills.
CO2:	Get adequate exposure to various types of competitive examinations.
CO3:	Get enough training in OMR based answer sheet.



COURSE OUTCOMES

UNDERGRADUATE

I - Semester

Value Education

Subject Code: U1VE11

In this course, the students will

CO1:	Learn to choose their own personal moral and spiritual values.
CO2:	Learn to become responsible citizens.
CO3:	Get sensitized to value formation.