



SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY'S  
**R. N. G. PATEL INSTITUTE OF TECHNOLOGY - RNGPIT**

An Autonomous Institute u/s UGC Act 1956

Approved by AICTE & affiliated to Gujarat Technological University

Bardoli - Navsari Road, At: Isroli (tadjore), Po: Afwa, Tal: Bardoli, Dist: Surat, Pin - 394620  
Phone: 95129 00457, 95129 00458 • Email: Info@rngpit.ac.in • Website: www.rngpit.ac.in

**Program Name:** MBA

**Level:** Post Graduation

**Branch:** Logistics & Supply Chain Management

**Course / Subject Code:** 1MB1207

**Course / Subject Name:** Environmental Management and Sustainability

w. e. f. Academic Year:	2024-25
Semester:	II
Category of the Course:	Core Course (CC)

<b>Prerequisite:</b>	
<b>Rationale:</b>	

**Course Outcome:**

After Completion of the Course, Student will able to:

No	Course Outcomes	RBT Level
01	To understand the concepts and importance of environmental management and sustainability in business.	U
02	To analyze the impacts of business activities on the environment.	N
03	To evaluate sustainable practices and environmental management systems.	E
04	To apply sustainability principles in real-world business scenarios.	A

*\*Revised Bloom's Taxonomy (RBT)*

**Teaching and Examination Scheme:**

Teaching Scheme (in Hours)			Total Credits L+T+ (PR/2)	Assessment Pattern and Marks				Total Marks
L	T	PR	C	Theory		Tutorial / Practical		
				SEE (TH)	IAT	CCE	SEE (P)	
4	0	0	4	70	30	50	00	

SEE: Semester End Examination

IAT: Internal Assessment Test



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CCE: Continuous and Comprehensive Evaluation

**Course Content:**

Unit No.	Content	No. of Hours	% of Weightage
1.	<b>Introduction to Environmental Management and Sustainability</b> <ul style="list-style-type: none"><li>• Introduction to Environmental Management</li><li>• Sustainable Development and Business</li><li>• Evolution of Environmental Management Systems (EMS)</li><li>• Corporate Social Responsibility (CSR) and Sustainability</li><li>• Global and National Environmental Policies</li></ul>	10	25%
2.	<b>Environmental Impact Assessment and Business Regulations</b> <ul style="list-style-type: none"><li>• Environmental Impact Assessment (EIA) Introduction</li><li>• Process of EIA</li><li>• Regulatory Frameworks: National and International Laws</li><li>• Environmental Auditing and Certification</li><li>• Compliance and Reporting Requirements</li></ul>	10	25%
3.	<b>Sustainable Business Practices and Strategies</b> <ul style="list-style-type: none"><li>• Corporate Sustainability Strategies</li><li>• Integrating Sustainability into Business Models</li><li>• Green Marketing and Consumer Behavior</li><li>• Sustainable Product Development and Eco-Innovation</li><li>• Managing the Supply Chain for Sustainability</li></ul>	10	25%
4.	<b>Climate Change, Resource Management, and Future Sustainability Trends</b> <ul style="list-style-type: none"><li>• Climate Change and Business</li><li>• Mitigation and Adaptation Strategies</li><li>• Resource Management: Water, Energy, and Raw Materials</li><li>• Technological Innovations for Sustainability</li><li>• Future Sustainability Trends: ESG, Circular Economy, and Net-Zero Targets</li><li>• Carbon Credit and Sustainable Development Goals (SDGs)</li></ul>	10	25%
5.	The evaluation of the Environmental Management and Sustainability course will be multifaceted, consisting of quizzes and assignments that test students' understanding and application of key concepts from each unit. Case study analysis will assess students' ability to apply theoretical	--	30 Marks



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knowledge to real-world business scenarios, fostering critical thinking and problem-solving skills. A group project will assign to students to design a comprehensive sustainability strategy for a business or industry, encouraging collaboration and creativity. Active participation in class discussions and debates will contribute to the overall grade, promoting engagement with contemporary environmental issues.		
<b>Total</b>		<b>100</b>

**Suggested Specification Table with Marks (Theory):**

Distribution of Theory Marks (in %)					
R Level	U Level	A Level	N Level	E Level	C Level

Where R: Remember; U: Understanding; A: Application, N: Analyze and E: Evaluate C: Create (as per Revised Bloom's Taxonomy)

**Evaluation:**

Students shall be evaluated on the following components:

A	Continuous and Comprehensive Evaluation	(Internal Assessment – 50 Marks)
	Practical activities suggested in Module V	30 Marks
	Class Presence & Participation	10 Marks
	Quiz	10 Marks
B	Internal Assessment Test	(Internal Assessment-30 Marks)
C	Semester End Examination	(External Assessment-70 Marks)

**References/Suggested Learning Resources:**

**(a) Books:**

- Schilling, J. A. (Ed.). (2012). *Environmental management: Readings and case studies*. Pearson.
- Luken, R. J., & Green, R. G. R. (2004). *Principles of environmental management: The greening of business*. Pearson Education.
- Information Resources Management Association. (2017). *Sustainable business: Concepts, methodologies, tools, and applications*. IGI Global.
- Smith, J. A. (2012). *Green marketing: A strategic approach*. Pearson.
- Agarwal, R. P., & Agarwal, A. K. (2017). *Climate change and business: An integrated approach*. Springer.



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**(b) Open source software and website:**

- SO. (2015). *ISO 14001: Environmental management systems*. International Organization for Standardization. Retrieved from <https://www.iso.org/iso-14001-environmental-management.html>
- United Nations Global Compact. (n.d.). *Corporate sustainability practices*. United Nations. Retrieved from <https://www.unglobalcompact.org/>

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