





St. PETER'S

INSTITUTE OF HIGHER EDUCATION & RESEARCH
(DEEMED TO BE UNIVERSITY) u/s 3 of THE UGC ACT 1956
Accredited by NAAC with 'A' Grade, AICTE Approved and
ISO 9001:2008 Certified.
AVAIL, Cheraiyur - 630 054, Tamil Nadu.



17.4.2. SPIHER's Dedicated Courses Addressing Sustainability and the SDGs

St. Peter's Institute of Higher Education and Research (SPIHER) is strongly dedicated to promoting sustainability and embedding the United Nations Sustainable Development Goals (SDGs) into every aspect of its academic and research framework. Through specialized degree programs, elective courses, research initiatives, and community engagement projects, SPIHER ensures that students gain the knowledge, skills, and values needed to address global sustainability challenges and contribute effectively to achieving the SDGs.

1. Elective Courses Promoting SDG Awareness:

Beyond specialized programs, SPIHER offers elective courses that incorporate sustainability themes across various disciplines. These electives ensure that all students, regardless of their major, develop an understanding of sustainability concepts and their global significance.

- **Sustainable Development and Climate Change:** Focused on SDG 13 and SDG 11, this course explores climate science, policy, and resilience strategies through case studies and international frameworks.
- **Environmental Economics:** Linked to SDG 12 and SDG 7, this course examines the economic aspects of sustainability, including policies, market mechanisms, and green growth strategies.
- **Sustainable Agriculture and Food Security:** Offered by the Department of Biotechnology, this course addresses SDG 2 through the study of organic farming, sustainable food systems, and the use of biotechnology in ensuring food security.
- **Social Sustainability and Development:** Offered by the Department of Social Sciences, this elective explores SDG 1, SDG 5, and SDG 10, encouraging students to examine issues of poverty, gender equality, and social justice in sustainable development.

2. Interdisciplinary Learning for Sustainable Solutions:

SPIHER promotes collaboration across disciplines, recognizing that sustainable development requires integrated approaches.

- Engineering and Life Sciences students work together on renewable energy and environmental innovation projects.
- Management students focus on corporate sustainability, ethical leadership, and green business models.

This interdisciplinary environment encourages systems thinking and creative problem-solving, helping students design sustainable solutions that balance economic, environmental, and social dimensions.

3. Research and Innovation for the SDGs:

Research is a cornerstone of SPIHER's sustainability efforts. Faculty and students are actively engaged in projects aligned with global and national sustainability goals, including:

- Climate change mitigation and adaptation
- Biodiversity and ecosystem restoration
- Sustainable urban development and green infrastructure
- Renewable energy innovations
- Public health and sustainable communities

Many of these initiatives are conducted in collaboration with local governments, NGOs, and research partners to ensure meaningful community impact and real-world application.

4. Community Engagement and Experiential Learning:

SPIHER believes in learning through action. Students participate in community-based projects, internships, and fieldwork related to sustainability.

- Initiatives include water conservation drives, waste management programs, renewable energy projects, and community health awareness campaigns.
- Collaborations with government bodies, NGOs, and international organizations provide students with valuable exposure and hands-on experience in implementing the SDGs. Through these experiences, students develop empathy, leadership, and a practical understanding of sustainable development.

Conclusion:

By embedding sustainability across its academic, research, and community initiatives, St. Peter's Institute of Higher Education and Research (SPIHER) nurtures environmentally and socially responsible graduates. The university's integrated approach empowers students to become thoughtful, innovative, and globally aware leaders who drive positive change and contribute to building a more sustainable and equitable future.

Evidence of course addressing sustainability

Department: Political Science

Subject code: 23PS270

Subject Name: SUSTAINABLE DEVELOPMENT GOALS

Semester: V (23 Regulation)

The Course on Sustainable Development Goals (SDGs) is designed to enhance students' understanding of global sustainability challenges and strengthen their capacity to contribute to



St. PETER'S

INSTITUTE OF HIGHER EDUCATION & RESEARCH
(DEEMED TO BE UNIVERSITY u/s 3 OF THE UGC ACT 1956)
Accredited by NAAC with A+ Grade, AICTE Approved and
ISO 9001:2015 Certified.

AVADE, Cheraiyil - 630 054, Tamil Nadu.



international development efforts. In alignment with SDG 17.4.2, which emphasizes capacity-building, global cooperation, and fostering a shared vision for sustainability, this course equips learners with the knowledge and skills needed to actively engage with the SDG framework.

The course provides a comprehensive introduction to all 17 SDGs, focusing on their interconnected nature and their relevance to social, economic, and environmental well-being. Students explore case studies, global initiatives, national strategies, and institutional best practices that demonstrate how partnerships and coordinated actions can address complex global issues.

SYLLABUS FOR SUSTAINABLE DEVELOPMENT GOALS

23PS270	SUSTAINABLE DEVELOPMENT GOALS	L	T	P	C
		3	1	0	2

COURSE OBJECTIVES:

The main objectives of this course are to:

- CO1:** Enable the students to understand the concepts of Sustainable development goals
- CO2:** Learn about the strategies to utilize the existing resources to the fullest.
- CO3:** Assess the challenges to implementation SDGs
- CO4:** Illustrate the initiatives of government and world countries to achieve the goals
- CO5:** Summarise economic development, political development and societal development to SDGs.

UNIT 1: 6 Hrs

Sustainable Development Goals: introduction, meaning and its significance-
Three areas of sustainable Development: Growth, Social Inclusion and
Environmental Protection.

UNIT 2: 6 Hrs

Economic Development- Incomes around the world- Urban/ rural inequality-
Income inequality within countries- measuring wellbeing

UNIT 3: 6 Hrs

From MDG to SDGs: agenda 2030- introduction to Sustainable development-
environmental threats- planetary boundaries- living within limits: energy,
agriculture, industries.

UNIT 4: 6 Hrs

Human Rights and Gender Equality- The Ethics of Wealth, Poverty, and
Inequality- Major UN Covenants and Declarations -Divided Societies -Forces of
Widening Inequalities- Gender Inequity

UNIT 5: 6 Hrs

The Proposal for Sustainable Development Goals- The Sustainable Development
Goals -Goal-Based Development- Financing for Sustainable Development-

St.Peter's Institute of Higher Education and Research
Principles of Good Governance-Is Sustainable Development Feasible

Multiplier Text Book:

- N. Gregory Mankiw (2010):Macroeconomics, 7th edition, Cengage Learning India Private Limited, New Delhi Page 36 of 49

Reference Book:

- Richard T. Froyen (2005): Macroeconomics, 2nd Edition, Pearson Education Asia, New Delhi.

**St. PETER'S**

INSTITUTE OF HIGHER EDUCATION & RESEARCH
(DEEMED TO BE UNIVERSITY) u/s 3 of THE UGC ACT 1956
Accredited by NAAC with A+ Grade, AICTE Approved and
ISO 9001:2015 Certified.
Avadi, Chennai - 600 054, Tamil Nadu.



CO-PO Mapping

CO-PO MAPPING MATRIX:

	PO1	PO2	PO3	PO4	PO5
CO1	3	3	3	3	2
CO2	3	3	3	3	2
CO3	3	3	2	3	3
CO4	2	3	2	2	3
CO5	2	2	3	2	3
Average	2.1	2.4	2.2	2.3	2.1

3 – Highly Correlated, 2 – Moderately Correlated, 1 – Slightly Correlated, 0 – No Correlation

Through interactive modules, seminars, and collaborative projects, the course promotes teamwork, critical thinking, and cross-disciplinary engagement—essential elements of SDG 17. Learners also participate in group discussions, community outreach activities, and problem-solving exercises that simulate real-world global partnerships.

By completing this course, students develop enhanced sustainability literacy, gain exposure to international development practices, and become capable of contributing to collaborative efforts at local, national, and global levels. Ultimately, the course strengthens institutional capacity for SDG implementation and nurtures responsible citizens committed to global cooperation.

**St. PETER'S**

INSTITUTE OF HIGHER EDUCATION & RESEARCH
 (DEEMED TO BE UNIVERSITY) u/s 3 of the UGC ACT 1956
 Accredited by NAAC with A+ Grade, AICTE Approved and
 ISO 9001:2015 Certified
 Avadi, Chennai - 600 054, Tamil Nadu.



LESSON PLAN

**St. Peter's Institute of Higher Education and Research**

(Deemed to be University US 3 of UGC Act, 1956)

ISO 9001:2015 Certified & NAAC A+ Accredited.

Avadi, Chennai - 600 054, Tamil Nadu.

Phone: 26558080 - 84, Fax: 044 - 26555430,

E-mail: spiker@spiker.ac.in Website: www.spiker.ac.in



Course Code : 23PS270

LESSON PLAN

Course Name : SNS [Sustainable Development Goals]

Faculty Name: A-PRAVEEN

 Form No: LP-01
 Issue No: 03
 Issue Date: 21.07.2024

 Degree / Branch : B.Tech
 Year / Sem : 2nd year / 3rd sem
 Total No. of credits: 2
 Tutorial Hours : 10
 Lecture Hours : 20
UNIT - 1

Course Objectives: The course objectives is to become a leading center of excellence committed to achieving the unification of sustainable development goals - Research, community engagement and sustainable practices.

No.	Planned Period(s)	Topics Covered	Blooms Level	SDG	Teaching Technique	Resource	CQs	POs	PSOs	Executed Date	period
1	1	Introduction to SDGs	2 4	1	R3	1 7 2	1 107	1			9
2	1	What is economic, environmental and social growth	2 8	1	T3	1 6 1	1 107	2			
3	1	Important of sustainable development	2 8	1	T3	1 6 2	1 107	1			
4	1	History of SDGs	2 9	1	T3	1 7 2	1 107	1			
5	1	Introduction of UNEP	2 8	1	R3	1 6 1	1 107	1			
6	1	Sustainable development	2 4	1	T2	1 7 1	1 23107	1			
7	1	Learning and analyse the country by SDGs.	2 4	1	W1	1 4 3	1 23107	4			
8											
9											
10											
11											
12											

Course Outcome: Develop a basic understanding of the historical evolution of SDGs and global milestones.

Deviations If any:

Assessment Component:

17 SDGs and its importance.

UNIT - 2

Course Objectives:

Explore the multi-dimensional aspects of
so as to combat global and regional challenges.

UNIT - 3

Course Objectives:

assess the challenges of implementation
SPOS

UNIT - 4

Course Objectives: Economic development, political development, Sustainable development, SDGs

Course Outcome: Strengthen institutional capacity and build effective public-private collaboration (private)

Deviations If any:

Assessment Component:

gender Rights and Basic Human Rights.

UNIT - 5

Course Objectives: enable the students to understand the concepts of sustainable development goals.



St. PETER'S

INSTITUTE OF HIGHER EDUCATION & RESEARCH
(DEEMED TO BE UNIVERSITY u/s 3 of THE UGC ACT 1956)
Accredited by NAAC with A+ Grade, AICTE Approved and
ISO 9001:2015 Certified
AVADI, CHENNAI - 600 054, TAMIL NADU



SPIHER faculty engaged in teaching Sustainable Development Goals

Conclusion:

The introduction of dedicated courses addressing Sustainability and the SDGs demonstrates the institution's strong commitment to fostering an informed, responsible, and future-ready learner community. These courses equip students with the knowledge, analytical skills, and value-based perspectives needed to understand complex global challenges and contribute meaningfully to sustainable development.

By embedding SDG-focused content within academic frameworks, the institution strengthens capacity building, encourages interdisciplinary thinking, and aligns educational outcomes with global priorities. Such initiatives directly support SDG 17.4.2 by promoting structured learning pathways, enabling students to apply sustainability principles in real-world contexts, and nurturing a generation of socially conscious leaders. Overall, these dedicated courses serve as a vital platform for driving awareness, inspiring action, and broadening the institution's impact in advancing the SDGs at both local and global scales.