Program: B. Tech. (All)	Course Title: Environment and Human Behavior			Course Code: HSS3122
Type of Course: Open Elective	Prerequisites: NA			Total Contact Hours: 40
Year/Semester: 4th/8	Lecture Hrs/Week: 3	Tutorial Hrs/Week: 0	Practical Hrs/Week: 0	Credits: 3

Learning Objective:

One of the course objectives is for students to understand the applications of psychological principles concepts to build a sustainable environment. This course will encourage engineers to develop eco-friendly solutions for problems. In addition, it also aims to address the complex relationship between human behavior and the environment. The course encourages students to use critical thinking to evaluate human behavior, develop environment-friendly designs, and encourage pro-environment behavior.

Course outcomes (COs):

On completion of this course, the students will have the ability to:		Bloom's Level
CO-1	Students will develop an objective understanding of the environmental psychology	**1, 2,3,4,5**
CO-2	Students will be able to understand the influence of environmental factors on human well-being and behavior	**1, 2,3,4,5**
CO-3	Students will be able to understand the complex relationship between human behavior and the environment	**1, 2,3,4,5**
CO-4	Students will be able to adopt and promote pro-environmental behavior	**1, 2,3,4,5**
CO-5	Students will be able to effectively communicate their ideas to bring a positive change in the environment	**1, 2,3,4,5,6**
CO-6	Students will effectively work in groups as members as well as group leaders	**1, 2,3,4,5,6**

Course Topics		Lecture Hours
UNIT – I (Environmental Psychology: Introduction)		**6**
1.1 Historical background, scope, and methods	**2**	
1.2 Environmental: Perception, Cognition, Attitudes, Appraisals, Assessments, and Personality	**3**	
UNIT – II (Influence of Environment on behavior and well-being)		**12**
2.1 Personal Space, Territoriality, Crowding and Privacy	**2**	
2.2 Environmental Risk Perception	**1**	
2.3 Climate Change as a Unique Environmental Problem	**1**	

2.4 Environmental Stress	**2**	
2.5 Restorative Environments	**2**	
2.6 Appraising and Designing Built Environments that Promote Well-Being and Healthy Behavior, Environment, and Quality of Life, and Place Attachment	**4**	
UNIT – III (Factors Influencing Environmental Behavior)		**12**
3.1 Values and Pro-Environmental Behavior, Social Norms and Pro-Environmental Behavior, Emotions and Pro-Environmental Behavior, Symbolic Aspects of Environmental Behavior	**3**	
3.2 Social Dilemmas: Motivational, Individual, and Structural Aspects Influencing Cooperation	**2**	
3.3 Theories to Explain Environmental Behavior,	**2**	
3.4 The Role of Group Processes in Environmental Issues, Attitudes, and Behaviors	**3**	
3.5 Automaticity on Environmental Behavior	**2**	
UNIT – IV (Encouraging Pro-environmental behavior)		**10**
4.1 Informational Strategies to Promote Pro-Environmental Behavior	**2**	
4.2 Changing Knowledge, Awareness, and Attitudes, Encouraging Pro-Environmental Behavior with Rewards and Penalties, Persuasive Technology to Promote Pro-Environmental Behavior	**3**	
4.3 Acceptability of Environmental Policies, Processes of Change, Simulating Social Environmental System	**2**	
4.4 Environmental Issues in Low- and Middle-Income Countries	**1**	

Book References:

Textbook:

1. Gifford, R. (2007). *Environmental psychology: Principles and practice* (p. 372). Colville, WA: Optimal Books.
2. Paul A. Bell, Thomas C. Greene, Jeffrey D. Fisher, Andrew S. Baum Environmental Psychology. Rutledge Taylor and Francis Group.
3. Steg, L., van den Berg, A. E., & de Groot, J. I. M. (Eds.). (2013). *Environmental psychology: An introduction.* BPS Blackwell.

Reference books:

1. Bechtel, R.B. & A. CHURCHMAN, (2002) Handbook of Environmental Psychology. John Wiley & Sons, Inc., New York
2. Irwin Altman, Amos Rapoport, Joachim F. Wohlwill, (1980) Human Behavior and Environment ADVANCES INTHEORY AND RESEARCH. SpringerScience+Business MediaNew York

Additional Resources:

1. Relevant Video Lectures will be announced in the class.
2. Web Resources and research articles will be provided through google group/ Google Classroom.

Evaluation Method*	
Item	**Weightage (%)**
Mid-term	25
Final Examination	35
Quiz (2x5)	10
Group Discussion	10
Term Paper and Presentation	20
Total	100

*Please note, as per the existing institute's attendance policy the student should have a minimum of 75% attendance. Students who fail to attend a minimum of 75% lectures will be debarred from the End Term/Final/Comprehensive examination.

CO and PO Correlation Matrix

CO and PO Correlation Matrix for B.Tech ECE

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1												2			1
CO2						2	1					2			1
CO3							1					2			1
CO4							1					2			1
CO5										3					2
CO6									3						2

CO and PO Correlation Matrix for B.Tech CSE

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1												2			
CO2						2	1					2			
CO3							1					2			
CO4							1					2			
CO5										3					
CO6									3						

CO and PO Correlation Matrix for B.Tech CCE

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1												2			1
CO2						2	1					2			1
CO3							1					2			1
CO4							1					2			1
CO5										3					2
CO6									3						2

CO and PO Correlation Matrix for B.Tech ME

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1												2			1
CO2						2	1					2			1
CO3							1					2			1
CO4							1					2			1
CO5										3					2
CO6									3						2

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Prepared By: Dr. Anu Malik **Approved By:**