HSS203: Psychology, Technology, and Society

Programme: B. Tech.	Year: II	Semester: IV
Course Category: HSS Core	Credits: 3	Lecture Hours: 40

Course Overview

One of the objectives of the course is for students to understand basic psychological concepts and how such concepts could be applied to understand different aspects of human behavior. In addition, it also aim to address the complex relationship between human psychology, technology and society. The course encourages students to use critical thinking to evaluate human behavior and related aspects using a scientific approach.

Course Outcomes (COs)

	Upon successful completion of this course, students should be able to:
CO1:	Students will develop an objective understanding of the field of psychology and basic human cognitive processes and their applications.
CO2:	Students will be able to understand the concept and processes of social cognition and social influence
CO3:	Students will be able to understand the complex relationship between technology, health and well-being
CO4:	Students will be able to understand social aspects of technology and vice versa.

Course Topics

Topics	Lecture Hours
UNIT 1 *Human Cognition*	16
Introduction, Basic cognitive processes of Attention, Perception, Learning, Memory, Motivation, Emotion, Problem Solving, Decision Making and their Application in different domains of Life.	
UNIT 2 – Social Cognition and Social Influence	12
Cognitive processes underlying human thought and its impact on human interaction. Role of Schemas, Prototypes and Heuristics in understanding the society and social information. Potential sources of error in Social Cognition. Basic principles and applications of	
societal influence. Group Dynamics and Teamwork. Power, Politics and Leadership.	
UNIT 3 – Technology, Health and Wellbeing	6
Technology and health: Pros and cons, Technology and wellbeing: Adjustment, Stress, Coping with Stress.	

UNIT 4 – Technology and Society	6
Technology and Human evolution; The social shaping of technology. Technology and society in information age, Technology and Self presentation, Technology and social relationship, Technology and Social Justice, Technology and Social Problems, Artificial Intelligence and Human Society.	

Text Book:

- Smith, E.E., Nolen-Hoeksema, S., Fredrickson, B., Loftus, *G.R. (2003): Atkinson and Hilgard's Introduction to Psychology (14th ed*.). India: Wadsworth Publishing **(Available in the library)**

   Rosen, L.D., Cheever, "N.A. & Carrier, M.", *The Wiley Handbook of Psychology, Technology and Society*. John Willy & Sons, 2015
   Robbins, S.P. (2003): *Organizational Behavior (10 ed.)*

Reference Books:

- D. G. Johnson and J.M. Wetmore, "Technology and Society": *Building Our Sociotechnical Future,* MIT Press, 2009.
- Hamburger, Y.A.-. "Technology and Psychological" *Well-being*. Cambridge University Press, 2009
- Morgan, C.T., King, R.A., Weisz, J.R., & Schopler, J. -). *Introduction to Psychology.* New York: McGraw Hill Book Co. **(Available in the library)**

   Additional Resources:

- Relevant Video Lectures will be announced in the class.
- Web Resources and research articles will be provided through google group.
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Evaluation Method

Items	*Weightage (%)*
Mid Term	30
End Term Examination	45
Class Group Activity	2x5=10
Term Paper and Presentation	5+10=15
Attendance	5 (Bonus)

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