

**NIRMA UNIVERSITY**

<b>Institute:</b>	Institute of International Study
<b>Name of Programme:</b>	Bachelor of Science (Computer Science and Engineering) [2+2 Dual Degree]
<b>Faculty:</b>	Faculty of Technology & Engineering
<b>Course Code:</b>	1HS001
<b>Course Title:</b>	Ethics and Values
<b>Course Type:</b>	Common
<b>Year of Introduction:</b>	2022-2023

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**Course Learning Outcomes (CLOs):**

At the end of the course, students will be able to-

1. comprehend and appreciate the meaning of ethics, values, and attitudes
2. be aware of the difficult ethical dilemma/issues in all spheres of life
3. Demonstrate the ability to include ethical considerations in their decision-making
4. Appreciate and internalize the code of conduct for engineers

**Syllabus\*:**

**Teaching hours**

<b>Unit I</b>	<b>15</b>
<b>Definitional Framework:</b> Beliefs, values, ethics, laws, morals, human rights, social responsibilities, freedoms, ethical problem, ethical breach, ethical dilemma	
<b>Unit II</b>	<b>5</b>
<b>Ethics in Organization:</b> Employment and Legal Issues with focus on the ethical issues for employees, managers and organizations	
<b>Unit III</b>	<b>8</b>
<b>Computing Ethics:</b> Computer related code of ethics, personal values and computer ethics, robotics and ethics, ethics of cyber conflict	
<b>Unit IV</b>	<b>8</b>
<b>Ethical Issues Related to Privacy and Artificial Contexts:</b> Concepts, theories and controversies related to informational privacy, open-source software, phishing, cookies, hacking, Emerging Technologies & Ethical Issues, Artificial Intelligence	
<b>Unit V</b>	<b>9</b>
<b>The Problem of Sustenance &amp; Ethics:</b> The problem of sustenance of values in the process of social, political and technological changes	

(\*Appropriate case studies/videos/news items will be used for teaching/learning purpose.)

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## Self-Study:

Self-study contents will be declared at the commencement of the semester. Around 10% of the questions will be asked from the self-study contents.

## Suggested Readings:

1. Barger, Robert. *Computer Ethics: A Case Based on Approach*. Cambridge University Press, 2008.
2. Floridi, Luciano. *The Cambridge Handbook of Information and Computer Ethics*. Cambridge University Press, 2010.
3. Himma, Kenneth Einar, and Tavani, Herman. *The Handbook of Information and Computer Ethics*. John Wiley & Sons, 2008.
4. Justice- What is the right thing to do by Michael Sandel
5. A very short introduction to Ethics by Blackburn S.
6. The Ethical Life by Russ Shafer-Landau
7. The Fundamentals of Ethics by Russ Shafer-Landau
8. The Centre for Engineering, Ethics and Society (CEES) <http://www.onlineethics.org/> (for case studies)

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