Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

Assessment Rubrics:

- Quiz / Assignment/ Quiz/ Discussion / Seminar
- Midterm Exam
- Programming Assignments
- Final Exam

Mapping of COs to Assessment Rubrics:

CO No	Internal Exam	Assignment	Seminar	End Semester Examinations
CO 1	✓			✓
CO 2	✓		✓	✓
CO 3	✓	✓		✓
CO 4	✓	✓		✓

2. PROFESSIONAL ETHICS IN COMPUTER SCIENCE

Discipline	COMPUTER SCIENCE
Course Code	UK3VACCSC201
Course Title	Professional Ethics in Computer Science
Type of Course	**VAC**
Semester	III
Academic Level	2 .

Course Details	Credit	Lecture per week	Tutorial per week	Practical per week	Total Hours/Week
	3	3 hours	-		3 hours

Pre-requisites	Nil
Course Summary	To provide students awareness of professional ethics and the importance of human values in a profession.

Detailed Syllabus:

Module	Unit	Content	Hrs (L)
I		**Module 1 – Human Values.**	**9**
	1	Morals, values and Ethics – Integrity- Academic integrity-Work Ethics.	
	2	Service Learning- Civic Virtue-Respect for others- Living peacefully-Caring and Sharing- Honestly-courage	
	3	Cooperation commitment- Empathy-Self Confidence -Social Expectations.	
II		**Module 2 - Ethics & Professionalism.**	**9**
	4	Senses of Ethics - Variety of moral issues- Types of inquiry- Moral dilemmas –Moral Autonomy.	
	5	Kohlberg's theory- Gilligan's theory- Consensus and Controversy-Profession and Professionalism**.**	
	6	Models of professional roles-Theories about right action –Self interest-Customs and Religion- Uses of Ethical Theories.	
III		**Module 3- Social Experimentation.**	**9**
	7	Graduates as experimentation, Graduates as responsible experimenters, Codes of Ethics-Understanding its types, uses, Plagiarism.	
	8	A balanced outlook on law - Challenges case study-Bhopal gas tragedy	
IV		**Module 4- Responsibilities and Rights.**	**9**
	9	Collegiality and loyalty – Managing conflict- Respect for authority-Collective bargaining.	
	10	Confidentiality-Role of confidentiality in moral integrity-Conflicts of interest.	
	11	Occupational crime- Professional rights-Employee right- IPR Discrimination.	
V		**Flexi Module: Not included for End Semester Exams**	**9**

	12	Multinational Corporations- Environmental Ethics- Business Ethics- Computer Ethics	
	13	Moral leadership	

References

1. M Govindarajan, S Natarajan and V S Senthil Kumar, Engineering Ethics, PHI Learning Private Ltd, New Delhi,2012.
2. R S Naagarazan, A text book on professional ethics and human values, New age international (P) limited ,New Delhi,2006.

Course Outcomes

No.	Upon completion of the course the graduate will be able to	Cognitive Level	PSO addressed
CO-1	Cite the core values that shape the ethical behavior of a professional.	U	PSO-1, 4
CO-2	Relate with the principles to be followed for a good and ethical life	U	PSO-1, 4
CO-3	Explain the role and responsibility in technological development by keeping personal ethics and legal ethics.	U	PSO-1, 4
CO-4	Relate moral and ethical problems through experiments.	Ap	PSO-1,4

R-Remember, U-Understand, Ap-Apply, An-Analyse, E-Evaluate, C-Create

Note: 1 or 2 COs/module

Name of the Course: Credits: 3:0:0 (Lecture:Tutorial:Practical)

CO No.	CO	PO/PSO	Cognitive Level	Knowledge Category	Lecture (L)/ Tutorial (T)	Practical (P)
CO1	Cite the core values that shape the ethical behaviour of	PO-6, 7, 8 PSO-1,4	U	F, C	L	-

	a professional.					
CO2	Relate with the principles to be followed for a good and ethical life	PO-6, 7, 8 PSO-1,4	U	F,C	L	
CO3	Explain the role and responsibility in technological development by keeping personal ethics and legal ethics.	PO-6, 7, 8 PSO-1,4	U	F,C	L	-
CO4	Relate moral and ethical problems through experiments.	PO-6, 7, 8 PSO-1,4	Ap	F,C	L	-

F-Factual, C- Conceptual, P-Procedural, M-Metacognitive

Mapping of COs with PSOs and POs :

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4
CO 1	-	-	-	-	-	2	2	2	2	-	-	1
CO 2	-	-	-	-	-	2	2	2	2	-	-	2
CO 3	-	-	-	-	-	2	2	2	2	-	-	2
CO 4	-	-	-	-	-	2	2	2	-2	-	-	2

Correlation Levels:

Level	Correlation
-	Nil
1	Slightly / Low
2	Moderate / Medium
3	Substantial / High

Assessment Rubrics:

- Quiz / Assignment/ Quiz/ Discussion / Seminar
- Midterm Exam
- Lab Assignments
- Final Exam

Mapping of COs to Assessment Rubrics:

	Internal Exam	Quiz/ Assignment	Discussion	End Semester Examinations
CO 1	✓	✓		✓
CO 2	✓			✓
CO 3	✓		✓	✓
CO 4	✓	✓		✓