



V.S.B. ENGINEERING COLLEGE

KARUR – 639111 Tamil Nadu

CRITERION 7

7.1.15 Human Values and Professional ethics

V.S.B. Engineering College Karur – 639 111, Tamilnadu.

PROFESSIONAL ETHICS AND HUMAN VALUES COURSE REGULATION 2013

S.NO	DEPARTMENT	SEMESTER	COURSE CODE	COURSE NAME
1.	Electrical and Electronics Engineering	VII	GE 6075	Professional Ethics in Engineering(Elective)
2.	Mechanical Engineering	VII	GE 6075	Professional Ethics in Engineering(Elective)
3.	B.Tech. Information Technology	VII	GE 6075	Professional Ethics in Engineering(Elective)

SEMESTER VIII – Elective V

S.NO.	CODE NO.	COURSE TITLE	. L .	T	Р	С
1.	MG6088	Software Project Management	3	0	0	· 3
2.	GE6075	Professional Ethics in Engineering	3	0	0	3
3.	CS6011	Natural Language Processing	3	0	0	3
4.	CS6012	Soft Computing	3	. 0	0	3

COLLEGE V.S.B. ENGINEERIN N.H.BT. COVAL ROAD. KARUDAYAMPALAYAM (PB), KARUR - 539 11

GE8076

PROFESSIONAL ETHICS IN ENGINEERING

OBJECTIVES:

To enable the students to create an awareness on Engineering Ethics and Human Values, . to Instill Moral and Social Values and Loyalty and to appreciate the rights of others.

UNITI HUMAN VALUES

Morals, values and Ethics - Integrity - Work ethic - Service learning - Civic virtue - Respect for others - Living peacefully - Caring - Sharing - Honesty - Courage - Valuing time - Cooperation -Commitment - Empathy - Self confidence - Character - Spirituality - Introduction to Yoga and meditation for professional excellence and stress management.

UNIT II ENGINEERING ETHICS

Senses of 'Engineering Ethics' - Varlety of moral issues - Types of inquiry - Moral dilemmas - Moral Autonomy - Kohlberg's theory - Gilligan's theory - Consensus and Controversy - Models of professional roles - Theories about right action - Self-Interest - Customs and Religion - Uses of Ethical Theories.

UNIT III ENGINEERING AS SOCIAL EXPERIMENTATION

Engineering as Experimentation - Engineers as responsible Experimenters - Codes of Ethics -A Balanced Outlook on Law.

UNITIV SAFETY, RESPONSIBILITIES AND RIGHTS

Safety and Risk - Assessment of Safety and Risk - Risk Benefit Analysis and Reducing Risk -Respect for Authority - Collective Bargaining - Confidentiality - Conflicts of Interest - Occupational Crime - Professional Rights - Employee Rights - Intellectual Property Rights (IPR) - Discrimination.

UNIT V GLOBAL ISSUES

Multinational Corporations - Environmental Ethics - Computer Ethics - Weapons Development -Engineers as Managers - Consulting Engineers - Engineers as Expert Witnesses and Advisors -Moral Leadership -Code of Conduct - Corporate Social Responsibility.

OUTCOMES:

· Upon completion of the course, the student should be ability to apply ethics in society, discuss the ethical issues related to engineering and realize the responsibilities and rights in the society.

TEXT BOOKS:

- 1. Mike W. Martin and Roland Schinzinger, "Ethics in Engineering", Tata McGraw Hill, New Delhi, 2003. 2. Govindarajan M, Natarajan S, Senthil Kumar V. S, "Engineering Ethics", Prentice Hall of India, New Delhi, 2004.

REFERENCES:

- 1. Charles B. Fleddermann, "Engineering Ethics", Pearson Prentice Hall, New Jersey, 2004.
- 2. Charles E. Harris, Michael S. Pritchard and Michael J. Rabins, "Engineering Ethics Concepts and Cases", Cengage Learning, 2009.
- 3. John R Boatright, "Ethics and the Conduct of Business", Pearson Education, New Delhi, 2003
- 4. Edmund G Seebauer and Robert L Barry, "Fundamentals of Ethics for Scientists and Engineers",
- Oxford University Press, Oxford, 2001. 5. Laura P. Hartman and Joe Desjardins, "Business Ethics: Decision Making for Personal Integrity
- and Social Responsibility" Mc Graw Hill education, India Pvt. Ltd., New Delhi, 2013. 6. World Community Service Centre, ' Value Education', Vethathiri publications, Erode, 2011.



LTPC 3003

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TOTAL: 45 PERIODS

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REGULATION 2017

S.NO	DEPARTMENT	SEMESTER	COURSE CODE	COURSE NAME
1. ,	Civil Engineering	VIII	GE 8076	Professional Ethics in Engineering(Elective)
	18 B	VII	GE 8074	Human Rights (Elective)
2.	Electrical and Electronics	VIII	GE 8076	Professional Ethics in Engineering(Elective)
	Engineering	VII	GE 8074	Human Rights (Elective)
3.	Electronics and Communication	VIII	GE 8076	Professional Ethics in Engineering(Elective)
	Engineering	VII	GE 8074	Human Rights (Elective)
4.	Computer Science and Engineering	VIII	GE 8076	Professional Ethics in Engineering(Elective)
		VII	GE 8074	Human Rights (Elective)
5.	Mechanical Engineering	. VIII	GE 8076	Professional Ethics in Engineering(Elective)
100 A	Engineering	VII	GE 8074	Human Rights (Elective)
6.	B.Tech. Information	VIII	GE 8076	Professional Ethics in Engineering(Elective)
•	Technology	VII	GE 8074	Human Rights (Elective)
7.	B.Tech. Chemical Engineering	VIII	GE 8076	Professional Ethics in Engineering(Elective)
		VII	GE 8074	Human Rights (Elective)
8.	B.Tech. Biotechnology	VIII	GE 8076	Professional Ethics in
		VII	GE 8074	Engineering(Elective)
9.	B.Tech. Biomedical Engineering	VIII	GE 8076	Human Rights (Elective) Professional Ethics in
	2 2 ngineering	VII	GE 8074	Engineering(Elective) Human Rights (Elective)

PRINCIPAL V.S.B. ENGINEERING COLLEGE N.H.67, COVAL ROAD, KARUDAYAMPALAYAM (PO), KARUR - 639 111.

	PROFESSIONAL ELECTIVE - III (VII SEMESTER)										
	1.	GE8071	Disaster Management	PE	3	3	0	0	3		
	2.	GE8074	Human Rights	. PE	3	3	0	0	3		
	З,	MG8491	Operations Research	PE	3	3	0	0	3		
Ī	4.	MA8391	Probability and Statistics	PE	4	4	0	0	4		
Ī	5.	EI8075	Fibre Optics and Laser Instrumentation	PE	3	3	0	0	3		
	6.	GE8072	Foundation Skills in Integrated Product Development	PE	3	3	0	0	3		

PROFESSIONAL ELECTIVE - III (VII SEMESTER)

PROFESSIONAL ELECTIVE - V (VIII SEMESTER)

1.	EE8011	Flexible AC Transmission Systems	PE	3	3	0	0	3
2.	EE8012	Soft Computing Techniques	PE	3	3	0	0	3
3	EE8013	Power Systems Dynamics	PE	3	3	0	0	3
4.	EE8014	SMPS and UPS	PE	3	3	0	0	3
5.	EE8015	Electric Energy Generation, Utilization and Conservation	PE	3	3	0	0	3
6.	GE8076	Professional Ethics in Engineering	PE	3	3	0	0	3
7.	MG8591	Principles of Management	·PE	3	3	0	0	3



GE8074

OBJECTIVES :

HUMAN RIGHTS

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To sensitize the Engineering students to various aspects of Human Rights.

UNITI

Human Rights - Meaning, origin and Development. Notion and classification of Rights - Natural, Moral and Legal Rights. Civil and Political Rights, Economic, Social and Cultural Rights; collective / Solidarity Rights.

UNIT II

Evolution of the concept of Human Rights Magana carta - Geneva convention of 1864. Universal q Declaration of Human Rights, 1948. Theories of Human Rights.

UNIT III

Theories and perspectives of UN Laws - UN Agencies to monitor and compliance.

UNIT IV

Human Rights in India - Constitutional Provisions / Guarantees.

UNIT V

Human Rights of Disadvantaged People - Women, Children, Displaced persons and Disabilityd persons, including Aged and HIV Infected People. Implementation of Human Rights - National and State Human Rights Commission - Judiciary - Role of NGO's, Media, Educational Institutions, Social Movements.

OUTCOME :

TOTAL : 45 PERIODS

Engineering students will acquire the basic knowledge of human rights. REFERENCES:

- 1. Kapoor S.K., "Human Rights under International law and Indian Laws", Central Law Agency, Allahabad, 2014.
- 2. Chandra U., "Human Rights", Allahabad Law Agency, Allahabad, 2014.
- 3. Upendra Baxi, The Future of Human Rights, Oxford University Press, New Delhi.

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