

Shri G.S. Institute of Technology and Science, Indore
Department of Humanities and Social Sciences
Minutes of Meeting of Board of Studies

Date: 20/06/2024

The meeting of Board of Studies of the Department of Humanities and Social Sciences was convened on 20th June 2024 at 1:30 P.M. in the Department. Following members attended the meeting:

- | | | |
|----|-----------------------|---------------------------|
| 1. | Dr. Sarika Tiwari | (Head and
Chairperson) |
| 2. | Dr. S. Guha | Member, Expert |
| 3. | Dr. Neeraj Kumar Jain | Member |
| 4. | Dr. Madhavi Sharma | Member |
| 5. | Ms. Anee Pokharna | Member |
| 6. | Ms. Bhumika Rawat | Member |
| 7. | Ms. Ishita Reja | Member |

Following members could not attend the meeting:

1. Dr. Gyan Prakash (Expert)
2. Mr. Rohit Anchaliya, Member, BOS

The Agenda of the meeting was as follows:

Item 1. Minor changes (less than 15%) were proposed in the syllabus of the subject, **HU10551- Technical English**

Item 2. Major changes were proposed in the syllabi of the subjects, **HUXXXXX-Essence of Indian Knowledge Tradition and HU 2XXXX Constitution of India.** (Old and New syllabi are enclosed).

Item 3. Merger of the subjects **HU2XXXX-Values Humanities and Professional Ethics and Universal Human Values** and a new syllabus for the same was proposed.

Item 4. Any other item with permission of the Chair.

Minutes of the meeting are as follows in view of agenda items:

Item 1. Minor changes (less than 10%) were made in the syllabus of the subject, **HU10551- Technical English** (Old and New syllabi are enclosed). Further, the BOS also recommended an additional tutorial with an added credit for meeting the new challenges related to language proficiency of the students.

Item 2. Major changes, including the review of the Course objectives and outcomes, were made in the syllabi of the subjects, **HUXXXXX-Essence of Indian Knowledge Tradition and HU XXXXX Constitution of India.** (Old and New syllabi are enclosed). During discussion it was resolved to convert the mode of delivery of the latter from Tutorial to Lecture format; maintaining only class work/sessional work for assessment.

Item 3. The merger of the subjects **HUXX481-Values Humanities and Professional Ethics and Universal Human Values** was discussed with new syllabus and nomenclature, **Human Values and Professional Ethics**, with modified objectives and outcomes was passed.

Item4. No other matter was raised.

The meeting ended with thanks to the chair.

Chairperson, B.o.S., Deptt. of H.S.S.

HOURS PER WEEK			CREDITS			MAXIMUM MARKS				
T	P	Tu	T	P	Tu	THEORY		PRACTICAL		TOTAL MARKS
						CW	END SEM	SW	END SEM	
2	2	-	2	1	-	30	70	20	30	150

PRE-REQUISITE:

The student must possess basic knowledge of English Grammar and basic ability to read, write and speak English language

COURSE OBJECTIVES:

The objective of this course is to enable the students to recognize the relationship of effective communication skills to succeed in academic, work and social environments and to develop both written and oral communication skills to comprehend and produce clear, complete and accurate messages. This course also intends to impart business correspondence and improve English phonetics enabling the students to speak and write English correctly and with confidence.

COURSE OUTCOMES:

After successful completion of the course, *students will be able to:*

- CO1: Communicate effectively with good interpersonal skills; speak in public, engage the audience, make an effective presentation using Power-Point and tackle group discussion.
- CO2: Speak English with clarity using correct pronunciation and accent in all situations
- CO3: Comprehend a particular piece of information, absorb what is read or told and hone the art of condensation. Also reproduce messages and technical descriptions.
- CO4: Construct well-written engineering reports after logical analysis of data with precision. Also use techniques of referencing and citations; presenting equations; diagrams and data; and using language and tenses correctly in such documents.
- CO5: Produce clear, complete, concise, concrete and precise messages in day to day business transactions while drafting applications and E-Mails.

COURSE CONTENT:**UNIT I: Communication Skills**

- (i) Meaning & Process
- (ii) Significance of Effective communication.
- (iii) Presentation Strategies: Techniques of Oral Presentations, Defining the Purpose, Analyzing the Audience, Establishing the main idea, Selecting the Appropriate Channel and Medium. Power Point Presentation (audio-visual).
- (iv) Group Discussion.

UNIT II: Application of Linguistic Ability

- (a) English IPA (Types of speech sounds.)
- (b) Monophthongs
- (c) Diphthongs.
- (d) Consonants.
- (e) Phonetic Transcription

UNIT III: Writing Skills:

- (i) Reading and Comprehension (of branch specific texts)
- (ii) Essay and Article Writing on academic topics
- (iii) Précis; point-making technique
- (v) Technical description of engineering equipments and their working

UNIT IV: Academic Writing and Technical Report Writing:

- (i) Features & Principles of Technical Report
- (ii) Structure & Format of Technical Report
- (iii) Samples & Models for practice

UNIT V: Business Correspondence

- (i) Business letters
- (ii) Structure & Layout of Business letters – Standard Fully Block Style
- (iii) Types of Letters: Job Application, and other Business letters: Letters of enquiry and Quotations
- (iv) E-Mail Etiquette

ASSESSMENT: Through End-Sem. Theory Exam, Theory sessionals, Mid-Sem Tests, Assignments, End-Sem. Practical Exam, Practical sessional, quizzes, and presentations.

BOOKS RECOMMENDED:

1. Sharma, R.C. and Krishna Mohan, *Business Correspondence and Report Writing*, New Delhi: Tata McGraw-Hill, 2009.
2. Raman, Meenakshi and Sangeeta Sharma, *Technical Communication*, New Delhi: Oxford Univ. Press, 2011.
3. Kapoor A.N., *Business Letters for Different Occasions*, New Delhi: S. Chand & Co. Pvt. Ltd., 2012.
4. Thomson, A.J. and A.V.Martinent, *A Practical English Grammar*, New Delhi: Oxford University Press, 1986.

REFERENCES RECOMMENDED:

1. Lesikar, Petlit, and Flatley, *Lesikar's Basic Business Communication*, New Delhi: Tata McGraw-Hill, 1999.
2. Bhatia, R.C., *Business Communication*, New Delhi: Ane Books Pvt. Ltd., 2012.
3. Magan, Sangeeta, *Business Communication*, New Delhi: Biztantra Publications, 2010.

HOURS PER WEEK			CREDITS			MAXIMUM MARKS				
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2	2	-	2	1	-	30	70	20	30	150

PRE-REQUISITE:

The student must possess basic knowledge of English Grammar and basic ability to read, write and speak English language

COURSE OBJECTIVES:

The objective of this course is to enable the students to recognize the relationship of effective communication skills to succeed in academic, work and social environments and to develop both written and oral communication skills to comprehend and produce clear, complete and accurate messages. This course also intends to impart business correspondence and improve English phonetics enabling the students to speak and write English correctly and with confidence.

COURSE OUTCOMES:

After successful completion of the course, *students will be able to:*

- CO1: Communicate effectively with good interpersonal skills; speak in public, engage the audience, make a presentation using Power-Point and tackle group discussion.
- CO2: Speak English with clarity using correct pronunciation and accent in all situations
- CO3: Comprehend a particular piece of information, absorb what is read and hone the art of condensation and effective writing skills with correct syntax and grammar in all formal situations.
- CO4: Develop proficiency in technical as well as academic writing.
Also, apply technical information and knowledge in practical documents.
- CO5: Produce clear, complete, concise, concrete and precise messages in day to day business transactions while drafting applications and E-Mails.

COURSE CONTENT:**UNIT I: Communication Skills**

- (i) Meaning & Process
- (ii) Significance of Effective communication.
- (iii) Presentation Strategies: Techniques of Oral Presentations, Defining the Purpose, Analyzing the Audience, Establishing the main idea, Selecting the Appropriate Channel and Medium. Power Point Presentation.
- (iv) Group Discussion.

UNIT II: Application of Linguistic Ability

- (f) English IPA (Types of speech sounds.)
- (g) Monophthongs
- (h) Diphthongs.
- (i) Consonants.
- (j) Phonetic Transcription

UNIT III: Advanced Writing Skills:

- (i) Reading and Comprehension
- (ii) Essay Writing
- (iii) Précis

UNIT IV: Academic Writing and Technical Report Writing:

- (i) Introduction to Technical and Academic Writing
- (ii) Features & Principles of Technical Report
- (iii) Structure & Format of Technical Report
- (iv) Samples & Models for practice

UNIT V: Business Correspondence

- (i) Business letters
- (ii) Structure & Layout of Business letters – Standard Fully Block Style
- (iii) Types of Letters: Job Application and other Business letters (Letters of enquiry, Quotations etc)
- (iv) E-Mail Etiquette

ASSESSMENT: Through End-Sem. Theory Exam, Theory sessionals, Mid-Sem Tests, Assignments, End-Sem. Practical Exam, Practical sessional, quizzes, and presentations.

BOOKS RECOMMENDED:

1. Sharma, R.C. and Krishna Mohan, *Business Correspondence and Report Writing*, New Delhi: Tata McGraw-Hill, 2009.
2. Raman, Meenakshi and Sangeeta Sharma, *Technical Communication*, New Delhi: Oxford Univ. Press, 2011.
3. Kapoor A.N., *Business Letters for Different Occasions*, New Delhi: S. Chand & Co. Pvt. Ltd., 2012.
4. Thomson, A.J. and A.V.Martinent, *A Practical English Grammar*, New Delhi: Oxford University Press, 1986.

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1. Lesikar, Petlit, and Flatley, *Lesikar's Basic Business Communication*, New Delhi: Tata McGraw-Hill, 1999.
2. Bhatia, R.C., *Business Communication*, New Delhi: Ane Books Pvt. Ltd., 2012.
3. Magan, Sangeeta, *Business Communication*, New Delhi: Biztantra Publications, 2010.

HOURS PER WEEK			CREDITS		MAXIMUM MARKS				
L	T	P	Th	Pr	THEORY		PRACTICAL		TOTAL MARKS
					CW	ENDSEM	SW	ENDSEM	
-	2	-	-	-	50	-	-	-	50

PRE-REQUISITES: NIL

Course objectives

1. To make students acquainted with the legacy of ancient Indian knowledge tradition and its contribution to the problems of modern world.
2. To impart the learning of Indology in the field of Science, arts, management, and technology.
3. To bring students' focus on the Karma theory and Yogic aspects to improve their lifestyle and revive Indian traditional values.

Course outcomes: After the course completion, Students will be able to –

1. Elucidate the legacy and essence of Indian knowledge tradition.
2. Comprehend the importance of tracing of text, archeological, and inscripational evidences in cultural history and civilization.
3. Classify the philosophical literature of different Indian philosophies – Vedic and non-Vedic.
4. Evaluate contribution of ancient Indian scholars in various disciplines – arts, sciences, mathematics, and engineering & Technology.
5. Imbibe the essence of karma theory and yogic practices to sustain mental and physical wellbeing.

Course Contents:

Unit1 – Introduction to Indian knowledge tradition (IKT): nature and scope of IKT, Vedic and non-Vedic philosophies, nature and cause of the universe, nature and role of God, concepts of *panch-bhutas*, substances/matters/elements (*dravya, jada, tattva*) and *Samsara*, joy & sorrow, rebirth, state of liberation and its path.

Unit2 – Cultural history and civilization in India: texts, inscriptions and archeological ways of historical comprehension of culture and civilization, some inscriptions and archeological evidences – e.g. Nalanda, Takshshila, Ajanta-Elora, Udaygiri caves, Mohan-Jodaro, chronology of Vedas and other religious/philosophical texts.

Unit 3 – Structural classification of ancient Indian knowledge Texts: Ashtadash-Vidya, four Anuyogas, three volumes of Tripitika, some selected religious text literature and their subject matter – Ramayana, Gita, Shatkhandagam, Jatak Kathayen, Harivansh purana etc.

Unit4 – Mathematics, Science and technology: Astrology, metallurgy, town planning, rock arts, *vastukala, sthapatya*, health care, ancient Indian Scientists and mathematicians – Aryabhata, Shridharacharya, Bhaskaracharya, Mahaviracharya, Brahmagupta, Yativrishabh acharya, sushrut, charak etc.

Unit5 – Language, Knowledge, Yoga and Meditation: Ancient Indian languages, means of knowledge and communication, Sensory Knowledge, direct knowledge, inferential knowledge, testimony (Shabd/Agam), Karma theories – Karma as action or matter, states and types of karma, yoga and mental wellbeing, Ashtang yoga, Maharshi Patanjali,

ASSESSMENT: Class Work(50 marks):

1. Attendance	:10 Marks
2. Quizes/Assignments/Class activities	:25 Marks
3. Presentation and Viva	:15 Marks

Books for references:

1. B. Mahadevan, Nagendra Pavana, Vinayak Rajat Bhat, Indian Knowledge System: *Concepts and Applications*, PHI, 2022
2. Dr. Umashankar Rishi, Hindi commentary on madhavacharya's "Sarva darshan sangrah", Chokhamba Vidyabhavan, Varanasi, 221001
3. Chatterjee, Satishchandra. *Introduction to Indian Philosophy*. Rupa & Co, 2012.
4. Radhakrishnan, Sarvepalli. *Indian Philosophy*. Oxford Univ. Press, 2009.
5. Shastri, Foolchand, Hindi translation of "Sarvarth Siddhi" – A Sanskrit commentary by Acharya Pujyapad on 'Tattavarth Sutra' of Umaswami, 7th Ed. 2013, Bhartiya Gyanpith, New Delhi 110003
6. Upādhyāya Baldev. *Bhāratīy adarśana; BHĀRATAVARSA Kī Vividh adarśanika vicāradhāraom KĀ PRĀMĀNIKAVIVECANA*. ŚārdāMandira, 1957.
7. V. Sivaramkrishnan (Ed.), *Cultural Heritage Of India course material*, Bharitya Vidya Bhavan, Mumbai. 5th Edition. 2014
8. Pritchett, Frances. *The Buddha and His DHAMMA, by Dr. B. R. Ambedkar*, www.columbia.edu/itc/mealac/pritchett/00ambedkar/ambedkar_buddha/.
9. Shastri, Dr. Nemichand, "Tirthankar Mahaveer aur unki Acharya PARAMPARA Part-1: Read Jain Books Online at Jainebooks.org." *Jainebooks.org*, Pandit Todarmal Smarak Trust, www.jainebooks.org/books/4129/tirthankar-mahaveer-aur-unki-acharya-parampara-part-1.

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES**(Old)****HUM 2052: Essence of Indian Knowledge Tradition**

HOURS PER WEEK			CREDITS		MAXIMUM MARKS				
L	T	P	Th	Pr	THEORY		PRACTICAL		TOTAL MARKS
					CW	END SEM	SW	END SEM	
-	2	-	-	-	50	-	-	-	50

PRE-REQUISITES: NIL**Course objectives**

1. To make students acquainted with the legacy of ancient Indian knowledge.
2. To make students understand about the role of Indian school of Philosophy and its contribution to the modern world.
3. To make students realize the crucial role and impact of yoga practice in lives.
4. Imparting among students the learning of Indology and significance of Indian linguistics.
5. To focus on the meditative aspects of students in order to improve their lifestyle and revive Indian traditional values.

Course outcomes**Students will be able to**

1. Execute their ideas and learning with in Indian context.
2. Apply the Indian linguistics and express them with reason.
3. Define the means and ends of their professional careers.
4. Cope up with challenges in the cognitive development to deal with unforeseen crisis.
5. Adopt a balanced approach towards life, profession and problems.

Course Contents

Unit 1 - Vedic and non-Vedic philosophical traditions: nature and cause of the universe, nature of role of God, concepts of substances/matters and *Samsara, Sukh-Dukh* & rebirth, state of liberation and its path.

Unit 2 - Basic structure and classification of Indian Knowledge Systems: Ashtadash-Vidya, Dwadashanga & Anuyoga, three volumes of Tripitika, some prevalent text literature from religious domain.

Unit 3 - Indian Linguistic Tradition and human behaviour: Phonology, Morphology, Syntax and Semantics, Emotions & Reflection in human behavior.

Unit 4 - Indian Artistic Tradition: Chitrakala, Murtikala, Vastukala, Sthapatya, Sangeet, Nritya and Sahitya.

Unit 5 - Ancient Indian Science: yoga and holistic health care, Indian contribution to modern Science and mathematics, some famous Indian ancient Scientists.

ASSESSMENT:

Only **Sessional Work** (100 marks) on the basis of viva (30) Attendance (20), Quizzes/Tests/Activities (30) and Presentations (20) will be awarded against the assessment done throughout the session.

Books for references:

1. B. Mahadevan, Nagendra Pavana, Vinayak Rajat Bhat, Indian Knowledge System: *Concepts and Applications*, PHI, 2022
2. Chatterjee, Satishchandra. *Introduction to Indian Philosophy*. Rupa & Co, 2012.
3. Radhakrishnan, Sarvepalli. *Indian Philosophy*. Oxford Univ. Press, 2009.
4. Upādhyāya Baldev. *Bhāratiya darśana; BHĀRATAVARSA KīVividha darśanika vicā radhā raomKĀPRĀ MĀ NIKĀ VIVECANA*. Śārdā Mandira, 1957.
5. Gupta Rāmeśvara Dayā la. (1997). *Vaidika VĀṆMAYA Mem vijnāna = Sciences in Vedic literature*. Maharishi Sāndipane Rāshṭriya Veda Vedyā Pratishṭhāna.
6. V. Sivaramkrishnan (Ed.), *Cultural Heritage Of India course material*, Bharitya Vidya Bhavan, Mumbai. 5th Edition. 2014
7. Pritchett, Frances. *The Buddha and His DHAMMA*, by Dr. B. R. Ambedkar
8. Shastri, Dr. Nemichand, et al. "Tirthankar Mahaveer AUR Unki Acharya PARAMPARA Part -1: Read Jain Books Online at Jainebbooks.org." *Jainebbooks.org*, Pandit Todarmal Smarak Trust, www.jainebbooks.org/books/4129/tirthankar-mahaveer-aur-unki-acharya-parampara-part-1.

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES**(New)****HU 2XXXX: Constitution of India**

HOURS PER WEEK			CREDITS		MAXIMUM MARKS				
L	T	P	Th	Pr	THEORY		PRACTICAL		TOTAL MARKS
					CW	END SEM	SW	END SEM	
2	-	-	-	-	50	-	-	-	50

PRE-REQUISITES: NIL**COURSE OBJECTIVES:-**

1. To make students understand of the importance of Indian constitution.
2. To create awareness about fundamental rights and fundamental duties.
3. To make students aware of the working of the union and state governments.
4. To sensitize the importance of different organs of government.

COURSE OUTCOMES: After completion of course, the students will be able to:

1. Imbibe the essence of preamble of Indian constitution and its structure.
2. Recognize the Directive principles, fundamental rights & duties.
3. Differentiate Indian democracy from other democratic governance.
4. Comprehend the procedure of amendments and enactment of new laws in Indian constitution.
5. Elucidate the federal structure of Indian government.

Course Contents

UNIT1. Meaning and significance of Constitution: Nature and scope of Constitution, Making of Indian Constitution – Sources, Salient features of Indian Constitution and Preamble.

UNIT2. Scheme of the Fundamental Rights and Fundamental Duties: Right to Equality-Article 19- Article 21, legal status of duties, Directive Principles of states policy- its importance and implementation.

UNIT3. Different forms of government: democratic and non-democratic forms of governments, Parliamentary democracy, and Presidential democracy, functions and powers of functionaries under various forms of the government.

UNIT4. Procedure of enactment of new laws and amendments in Indian Constitution: Amendment of the constitutional powers procedure, Local self government - 73rd and 74th Amendment, 42nd amendment.

UNIT5. Federal structure: legislative, executive and financial powers (union and states), three lists (union, state and concurrent), Judicial system and local governance in India. Emergency provisions: President Rule, National Emergency, Financial Emergency, Election commission and its constitutional powers and procedures.

ASSESSMENT: Class Work(50 marks):

- | | |
|---|-----------|
| 1. Attendance | :10 Marks |
| 2. Quizzes/Assignments/Class activities | :25 Marks |
| 3. MST | :15 Marks |

Books Recommended:

1. 'Indian Polity' by Laxmikanth
2. 'Indian Administration' by Subhash Kashyap
3. 'Indian Constitution' by D.D. Basu
4. 'Indian Administration' by Avasti and Avasti

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES (Old)

HUM2001: Constitution of India

HOURS PER WEEK			CREDITS		MAXIMUM MARKS				
L	T	P	Th	Pr	THEORY		PRACTICAL		TOTAL MARKS
					CW	END SEM	SW	END SEM	
-	2		-	-	50	-	-	-	50

PRE-REQUISITES: NIL

COURSE OBJECTIVES:-

1. To make students understand the importance of Indian constitution.
2. To create an awareness about fundamental rights and fundamental duties.
3. To make students aware of the working of the union government.
4. To make students comprehend the importance of judicial powers and emergency provisions in India.

COURSE OUTCOMES: After completion of course, the students will be able to:

1. Explain and elaborate the Indian Constitution through which the society and nation is governed.
2. Describe the list of fundamental rights and fundamental duties.
3. Elucidate the types of emergencies in Indian constitution.
4. Explain and illustrate the procedure of amendments in Indian constitution.

Course Contents

UNIT 1. Meaning and significance of Constitution, Making of Indian Constitution— Sources, Salient features of Indian Constitution and Preamble.

UNIT 2. Scheme of the Fundamental Rights and Duties: right to Equality- article 19-article 21, legal status of duties, Directive Principles of states policy- its importance and implementation,

UNIT 3. Federal structure, legislative and financial powers (union and states), Three lists (union, state and concurrent), parliamentary form of government in India- The constitution powers and status of the President of India.

UNIT 4. : Judicial system and local governance in India: Its constitutional powers, Historical perspectives of the constitutional amendments in India, Amendment of the constitutional powers procedure, Local self government- 73rd and 74th Amendment.

UNIT 5. Emergency provisions: President rule, National Emergency, Financial Emergency, Election commission and its constitutional powers and procedures.

ASSESSMENT:

Only **Sessional Work**(100marks)on the basis of viva(30)Attendance(20),

Quizzes/Tests/Activities(30)and Presentations(20)will be awarded against the assessment done throughout the session.

Books Recommended:

1. 'Indian Polity' by Laxmikanth
2. 'Indian Administration' by Subhash Kashyap
3. 'Indian Constitution' by D. D. Basu
4. 'Indian Administration' by Avasti and Avasti

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES II B.E.(4YDC) (NEW)
HUXX481: Human Values and Professional Ethics

HOURS PER WEEK			CREDITS		MAXIMUM MARKS				
L	T	P	Th	Pr	THEORY		PRACTICAL		TOTAL MARKS
-	2	-	2	-	CW	END SEM	SW	END SEM	100
					100	-	-	-	

PRE-REQUISITES: NIL COURSE OBJECTIVES:-

1. To make students understand of his/her social responsibilities and values as an engineer.
2. To create an awareness on Engineering Ethics and Universal Human Values
3. To make students capable of doing self-exploration and recapitulation
4. To make students aware of the global problems

COURSE OUTCOMES: After completion of course, the students will be able to:

1. Explain and elaborate the role of universal human values and ethics.
2. Utilize the thorough understanding of human nature and its existence, gained during the course, for reaching one's greater potential.
3. Explore self, body and their needs & activities.
4. Contextualize the ethics with engineering profession, attitude and approaches as per needs of society and values.
5. Explain and illustrate the process of Social, Political and Technological changes in-context to global changes.

COURSE CONTENT:

UNIT 1. Defining values and ethics. Role of universal human values and ethical values in Engineering education. Difference between values and ethics.

UNIT 2. Universal Human Values – Understanding Human Being, Nature and its Existence Comprehensively, Understanding Harmony and Ethical Human conduct for realizing the full human potential.

UNIT 3. Self-Exploration, recapitulation, coexistence of self and body and their needs and activities, Morals, Values and Ethics, Universal and Situational values. Balance between-rights and duties. Concept of personal and group Ethics.

UNIT 4. Engineering Ethics: engineers as responsible experimenters - codes of ethics - a balanced outlook on law - the challenger variety of moral issued - types of inquiry - moral dilemmas – moral autonomy - Kohlberg's theory - Gilligan's theory - consensus and controversy Models of Professional Roles.

UNIT 5. Global Issues: Multinational corporations - Environmental ethics - computer ethics - weapons development – engineers as managers-consulting engineers- engineers as expert witnesses and advisors - moral leadership.

ASSESSMENT:

Classwork (CW) of 100 marks in the subject will be done as follows:

- i. Internal viva and Activity/assignment submission: 50 marks
- ii. Attendance: 20 marks
- iii. MST: 30 marks (average of best of two out of three)

Books for references

1. Little, William: *An Introduction of Ethics* (allied Publisher, Indian Reprint1955)
2. William, K Frankena : *Ethics* (Prentice Hall of India,1988)
3. Gaur R. R., Sangal R. and Bagaria G. P., *Haman Values and Professional Ethics*, Excel Books, NewDelhi, 2010
4. Mike Martin and Roland Schinzinger, *Ethics in Engineering*, McGraw-Hill, New York 1996. Govindarajan M, Natarajan S, Senthil Kumar V. S, "Engineering Ethics", Prentice Hall of India, New Delhi, 2004
5. Kumar Dr. Tribhuwam, Prashanth kumar H. P,Mukesh Chaudhari,Neha Anand. *Universal Human Values and Professional Ethics*, Book Rivers, Lucknow, 2022

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES II B.E.(4YDC) (OLD)
HU 22881/24881/25881/27881: Values, Humanities and Professional Ethics

HOURS PER WEEK			CREDITS		MAXIMUM MARKS				
L	T	P	Th	Pr	THEORY		PRACTICAL		TOTAL MARKS
					CW	END SEM	SW	END SEM	
-	2	-	2	-	100	-	-	-	100

PRE-REQUISITES: NIL COURSE OBJECTIVES:-

1. To make students understand of his/her social responsibility as an engineer.
2. To create an awareness on Engineering Ethics and Human Values
3. To make students capable of doing self-exploration and recapitulation
4. To make students aware of the global problems

COURSE OUTCOMES: After completion of course, the students will be able to:

1. Explain and elaborate the social institutions through which the society and nation is governed.
2. Make self-exploration through understanding self, body and their needs & activities.
3. Apply ethical decision making and describe ethical dilemma.
4. Contextualize the ethics with engineering profession, attitude and approaches as per needs of society and values.
5. Explain and illustrate the process of Social, Political and Technological changes in-context to global changes.

COURSE CONTENT:

UNIT 1. Role of Humanities in Engineering education, social institutions and association, social stratification in India, social change and its determinants.

UNIT 2. Self-Exploration, recapitulation, coexistence of self and body and their needs and activities, Morals, Values and Ethics, Universal and Situational values, . Balance between -rights and duties,

UNIT 3. Concept of personal and group Ethics: Ethical and decision-making capability and its development: Meaning of Ethical dilemma, steps to solve ethical dilemma.

UNIT 4. Engineering Ethics: engineers as responsible experimenters - codes of ethics - a balanced outlook on law - the challenger variety of moral issued - types of inquiry - moral dilemmas – moral autonomy - Kohlberg's theory - Gilligan's theory - consensus and controversy Models of Professional Roles.

UNIT 5. Global Issues: Multinational corporations - Environmental ethics - computer ethics - weapons development – engineers as managers-consulting engineers- engineers as expert witnesses and advisors - moral leadership.

ASSESSMENT:

Classwork (CW) of 100 marks in the subject will be done as follows:

- i. Internal viva and Activity/assignment submission: 30
- ii. Attendance: 20
- iii. quizzes/Tests: 50 (average of best two out of three)

Books for references

1. Little, William: An Introduction of Ethics (allied Publisher, Indian Reprint1955)
2. William, K Frankena : Ethics (Prentice Hall of India,1988)
3. Gaur R. R., Sangal R. and Bagaria G. P., Haman Values and Professional Ethics, Excel Books, NewDelhi, 2010
4. Mike Martin and Roland Schinzinger, "Ethics in Engineering", McGraw-Hill, New York 1996. Govindarajan M, Natarajan S, Senthil Kumar V. S, "Engineering Ethics", Prentice Hall of India, New Delhi, 2004

