

**Prasad V. Potluri Siddhartha Institute of Technology
(Autonomous)**

Kanuru, Vijayawada –520007

(Affiliated to JNTUK, Accredited by NBA, ISO9001:2015 Certified Institution)



7.1.8 Activities related to the efforts in providing an inclusive environment

THROUGH ACADEMIC SUBJECTS

Universal Human Values – PVP 20 Syllabus

Gandhian Philosophy – PVP 19 Syllabus

Engineering for community services – PVP 19 Syllabus

UNIVERSAL HUMAN VALUES

Course Code	20MC1602	Year	III	Semester	II
Course Category	MC	Branch	CSE	Course Type	Theory
Credits	0	L-T-P	2-0-0	Prerequisites	--
Continuous Internal Evaluation	30	Semester End Evaluation:	70	Total Marks:	100

Course Outcomes

Upon successful completion of the course, the student will be able to:

CO1	Understand the importance of universal human values and value education	L2
CO2	Understand the Harmony in human being, Family and society	L2
CO3	Apply a holistic perception of harmony at all levels of Existence	L3
CO4	Apply human values and professional ethics to the self, family, society, and day-to-day activities of real life.	L3

Contribution of Course Outcomes towards achievement of Program Outcomes & Strength of correlations (3:Substantial, 2: Moderate, 1:Slight)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	1							1				1		
CO2	1							2	1	1		1		
CO3								1		1		1	1	
CO4								1		1		1	1	

Syllabus		
Unit No.	Contents	Mapped PO
I	<p>Introduction - Need, Basic Guidelines, Content and Process for Value Education</p> <p>Purpose and motivation for the course, recapitulation from Universal Human Values-I, Self-Exploration–what is it? - Its content and process; ‘Natural Acceptance’ and Experiential Validation- as the process for self-exploration, Continuous Happiness and Prosperity- A look at basic Human Aspirations, Right understanding, Relationship and Physical Facility- the basic requirements for fulfilment of aspirations of every human being with their correct priority, Understanding Happiness and Prosperity correctly- A critical appraisal of the current scenario, Method to fulfil the above human aspirations: understanding and living in harmony at various levels.</p>	CO1
II	<p>Understanding Harmony in the Human Being - Harmony in Myself!</p> <p>Understanding human being as a co-existence of the sentient ‘I’ and the material ‘Body’, Understanding the needs of Self (‘I’) and ‘Body’ - happiness and physical facility, Understanding the Body as an instrument of ‘I’ (I being the doer, seer and enjoyer), Understanding the characteristics and activities of ‘I’ and harmony in ‘I’, Understanding the harmony of I with the Body: Sanyam and Health; correct appraisal of Physical needs, meaning of Prosperity in detail, Programs to ensure Sanyam and Health.</p>	CO2
III	<p>Understanding Harmony in the Family and Society- Harmony in Human-Human Relationship</p> <p>Understanding values in human-human relationship; meaning of Justice (nine universal values in relationships) and program for its fulfillment to ensure mutual happiness; Trust and Respect as the foundational values of relationship. Understanding the meaning of Trust; Difference between intention and competence, Understanding the meaning of Respect, Difference between respect and differentiation; the other salient values in relationship, Understanding the harmony in the society (society being an extension of family): Resolution, Prosperity, fearlessness (trust) and co-existence as comprehensive Human Goals, Visualizing a universal harmonious order in society- Undivided Society, Universal Order- from family to world family.</p>	CO2
IV	<p>Understanding Harmony in the Nature and Existence - Whole existence as Coexistence</p> <p>Understanding the harmony in the Nature, Interconnectedness and mutual fulfillment among the four orders of nature- recyclability and self regulation in nature, Understanding Existence as Co-existence of mutually interacting units in all- pervasive space, Holistic perception of harmony at all levels of existence.</p>	CO3

V	<p>Implications of the above Holistic Understanding of Harmony on Professional Ethics</p> <p>Natural acceptance of human values, Definitiveness of Ethical Human Conduct, Basis for Humanistic Education, Humanistic Constitution and Humanistic Universal Order, Competence in professional ethics: a. Ability to utilize the professional competence for augmenting universal human order b. Ability to identify the scope and characteristics of people friendly and eco-friendly production systems, c. Ability to identify and develop appropriate technologies and management patterns for above production systems. Case studies of typical holistic technologies, management models and production systems, Strategy for transition from the present state to Universal Human Order: a. At the level of individual: as socially and ecologically responsible engineers, technologists and managers b. At the level of society: as mutually enriching institutions and organizations.</p>	CO4
Learning Resources		
Text Books		
<ol style="list-style-type: none"> 1. R R Gaur, R Sangal, G P Bagaria - Human Values and Professional Ethics by, Excel Books, New Delhi, 2010. 2. A Nagaraj, Jeevan Vidya Prakashan, Amarkantak - Jeevan Vidya: Ek Parichaya, 1999. 		
Reference Books		
<ol style="list-style-type: none"> 1. A.N. Tripathi, Human Values, New Age Intl. Publishers, New Delhi, 2004. 2. Mohandas Karamchand Gandhi - The Story of My Experiments with Truth 		
e- Resources & other digital material		
<ol style="list-style-type: none"> 1. https://www.youtube.com/channel/UCQxWr5QB_eZUnwxSwxXEkQw 		

GANDHIAN PHILOSOPHY

Course Code	19HS5501F	Year	III	Semester	I
Course Category	Open Elective	Branch	ME	Course Type	Theory
Credits	3	L-T-P	3-0-0	Prerequisites	Nil
Continuous Internal Evaluation:	30	Semester End Evaluation:	70	Total Marks:	100

Course Outcomes

Upon successful completion of the course, the student will be able to -

CO1	Infer Gandhi principles of life and peaceful methods for conflict resolution
CO2	Make use of Gandhi learned lessons in his early life, advantages of self-introspection and practice of the truth
CO3	Function as transformed individual to respect all faiths and follow non-discrimination with simple living
CO4	Take Part in Swatch Baharat and Atmanirbhar Bharat Abhiyaan

Contribution of Course Outcomes towards achievement of Program Outcomes & Strength of correlations (H-High3, M-Medium-2, L- Low-1)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1						3	3	3	3					
CO2						3	3	3	3					
CO3						3	3	3	3					
CO4						3	3		2			3		

SYLLABUS

Unit No.	Contents	Mapped CO
I	Gandhi –The Man and His Times: Early life and education, lessons learnt from his wife, in South Africa, influence of Thoreau, Tolstoy and other thinkers, return to India, Sabarmati ashram, role in the Indian national movement, his impact during his life time	
II	Interpretation and Pursuit of Truth: Learning through trial and error; power of introspection, truth in thought, speech and action, pursuit of truth as true devotion to god, truth leads to courage and victory.	
III	Peace and Conflict Resolution: Ahimsa as practical idealism – the means to the goal of truth, non-violent civil resistance, living faith in the power of nonviolence, prerequisites for practice, faith, courage and humility, prevention of structural violence, two pronged approach – conflict resolution and establishing peace, examples of methods and practices.	

IV	Transformation of the Individual: Liberating the mind from dogmatism, control of the senses, thoughts and actions, respect for all faiths and universalism, a few strategies- Anasakta Karma, non-discrimination, simple living and self-sufficiency.	
V	Contemporary Relevance: Gandhi's social, political and economic thought, sarva dharma sambhava – tolerance, respect towards all religions, educational reform – basic education and adult education, social equality sarvodaya, removal of untouchability, communal unity, women empowerment, prohibition, service of backward classes, village sanitation, political solutions- swaraj, decentralization of power, democracy of enlightened majority, economic solutions – swadeshi, trusteeship, khadi and village industries, decentralization of wealth, sustainable development and equal opportunity, youth as agents of change.	

Learning Resources

References

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| <p>1. Gandhi M.K., Mahadev H. Desai, Gandhi An Autobiography: The Story of My Experiments With Truth, Beacon Press, 1993.</p> <p>2. Fisher, Louis, The Essential Gandhi: An Anthology of His Writings on His Life, Work, and Ideas. Vintage Books, 1983.</p> <p>3. http://www.mkgandhi.org/main.htm Comprehensive Website by Gandhian Institutions – Bombay Sarvodaya Mandal and Gandhi Research Foundation</p> |
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ENGINEERING FOR COMMUNITY SERVICES

Course Code	19HS5501C	Year	III	Semester	I
Course Category	Open Elective	Branch	ME	Course Type	Theory
Credits	3	L-T-P	3-0-0	Prerequisites	NIL
Continuous Internal Evaluation	30	Semester End Evaluation	70	Total Marks	100

Course Outcomes

Upon successful completion of the course, the student will be able to:

CO1	Understand the intricacies of engineering profession. (L2)
CO2	Examine the role that engineering might play in the different aspects of sustainability development. (L3)
CO3	Solve basic analytical and design problems using engineering tools, and be proficient and efficient in the use of these tools. (L3)
CO4	Explore various awareness methods about safety, risk & risk benefit analysis (L4)
CO5	Analyze what constitutes social justice in different areas of social life and the role that engineering might play in these. (L4)

Contribution of Course Outcomes towards achievement of Program Outcomes & Strength of correlations (H-High3, M-Medium-2, L- Low-1)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1						3	3	3				2	2	
CO2						3	3	3				2	2	
CO3						3	3	3				2	2	
CO4						3	3	3				2	2	
CO5						3	3	3				2	2	

SYLLABUS

UNIT NO.	CONTENT	Mapped CO
I	The Engineering Profession 1.1 On being a Professional 1.2 Technical Expertise and Ethical Obligations 1.3 Organization of Professional Engineering 1.4 Engineering Codes of Ethics	CO1, CO2, CO5
II	Engineering and Sustainable Community Development 2.1 Understanding Community 2.2 Engineers' Beliefs about Community Development 2.3 Measuring Sustainability 2.4 Engineers as Problem Solvers	CO1, CO2, CO4
III	Engineers and Development 3.1 Engineering Disasters: Lessons to be Learned 3.2 Technology for Community Development 3.3 Renewable Sources of Energy	CO1, CO3, CO4

	3.4 Green and Smart Cities	
IV	Safety of the Public	CO1, CO3, CO4
	4.1 Ethical Dilemmas	
	4.2 Calculating the Value of Life	
	4.3 Whistle blowing	
	4.4 Trusting the Experts	
	4.5 Case Studies: a. Sinking of the Titanic b. Bhopal Gas Tragedy	
V	Engineering and Social Justice	CO1, CO3, CO5
	1.1 Social Justice in Engineering Sciences	
	1.2 Humanities and Social Sciences in Engineering Education	
	1.3 Transforming Engineering Education and Practice	
	1.4 Making Social Justice Visible and Valued	

LEARNING RESOURCES

Reference Books:

1. Deborah G. Johnson. (2020) *Engineering Ethics: Contemporary and Enduring Debates*. Yale University Press.
2. Vesilind, P. Aarne., Gunn, Alastair S. (2010) *Hold Paramount: The Engineer's Responsibility to Society*. Cengage Learning.
3. Luegenbiehl, Heinz., Clancy, Rockwell. (2017) *Global Engineering Ethics*. Butterworth-Heinemann, UK.
4. Traer, Robert. (2018) *Doing Environmental Ethics*. New York: Routledge.
5. Leydens, Jon., Lucena, Juan. (2017) *Engineering Justice: Transforming Engineering Education and Practice*. Wiley: IEEE Press.

FEW ACTIVITIES

NATIONAL UNITY DAY

PVPSIT Students celebrated National Unity Day on 31-10-2022 with an elocution competition to mark the birth anniversary of Sardar Vallabhbhai Patel who had a major role in the political integration of India.



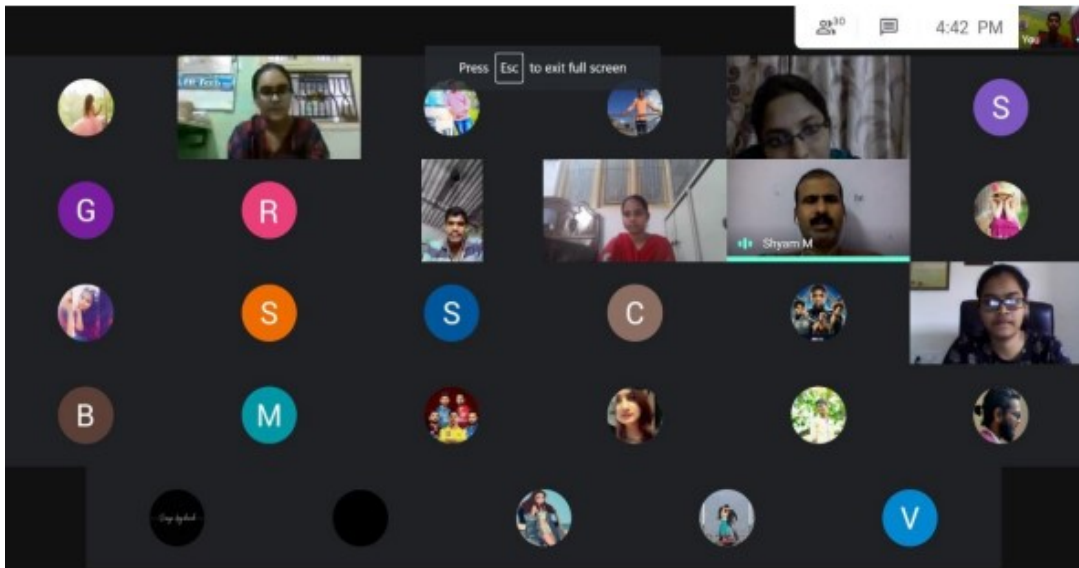
MAHATMA GANDHI VARDHANTHI

PVPSIT students have attended a programme on the eve of Gandhi Vardhanti and observed two-minute silence in event organized in the Siddhartha Auditorium, Vijayawada on 30-01-2019.



INTERNATIONAL DAY OF TOLERANCE

PVPSIT STUDENTS have observed International Day of Tolerance on 16-11-2020 to generate public awareness of the dangers of intolerance. A virtual panel discussion is organized for the interested students who shared their views on country's challenges on issues like peace, tolerance, fake news, online safety and hate.



NETAJI SUBHASH CHANDRA BOSE JAYANTI

Essay Writing competition and screening of Documentary on the life of Netaji is organized on the eve of Netaji Subhash Chandra Bose Jayanti on 23-01-2021.



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