

**P.V.P. SIDDHARTHA**  
**INSTITUTE OF TECHNOLOGY**  
(Autonomous)



**PROFESSIONAL ETHICS**  
**PROGRAMMES FOR**

**STUDENTS**

**&**

**STAFF**

(Teaching, Non-Teaching & Administrative)

# **P.V.P. SIDDHARTHA INSTITUTE OF TECHNOLOGY**

**(Autonomous)**

## **INTRODUCTION:**

In today's interconnected & rapidly evolving professional landscape, cultivating strong ethical conduct and embracing universal human values are indispensable for personal & professional growth. Indeed, they are paramount for success and sustainability. P.V.P.S.I.T is committed to fostering a culture of responsibility and ethical awareness, we believe it is imperative to equip our community with the necessary tools and knowledge to navigate ethical challenges effectively.

The Professional Ethics subject which is included in the curriculum from PVP-14 to PVP 19 regulations aims to provide comprehensive guidance on ethical decision-making, ethical leadership, and the importance of integrity in both academic and professional spheres. Students will have the opportunity to engage with ethical dilemmas, case studies, and real-world scenarios to enhance their understanding of ethical principles and their application in various contexts.

Faculty of P.V.P.S.I.T attended FDP on “Universal Human Values” conducted by AICTE in different academic years (2020-2021; 2021-2022; 2022-2023). This FDP has aimed to equip educators with the necessary tools and insights to integrate universal human values in to their teaching practices effectively. participants in the FDP gain a deeper understanding of the significance of UHV in education and learn practical strategies for incorporating these values into curriculum design, classroom interactions, and assessment methods. Ultimately, the goal of the FDP on Universal Human Values is to empower educators to foster a culture of empathy, social responsibility, and ethical leadership among their students, thus contributing to the creation of a more just and compassionate society.

The role of engineers extends beyond technical proficiency to encompass ethical awareness and social responsibility. Recognizing this shift, the inclusion of universal human values as a subject for engineering students is imperative. By integrating the study of human values into engineering curriculum from PVP-20 regulations, students are equipped with a comprehensive toolkit that extends beyond technical skills. They learn to navigate complex ethical dilemmas, consider diverse perspectives, and prioritize principles such as empathy, integrity, and social justice in their professional endeavors. It promotes diversity and equity, empowering students to collaborate effectively across differences and engage with a wide range of stakeholders. Through this lens, engineers are better equipped to address societal challenges with sensitivity to cultural norms, environmental concerns, and human rights.

In conclusion, the inclusion of universal human values as a subject for engineering students is not merely a complementary addition to technical coursework but a fundamental aspect of professional development. It equips students with the ethical foundation and interpersonal skills necessary to navigate the complexities of engineering practice in a rapidly changing world. By embracing these values, engineers can fulfill their role as stewards of innovation, promoting sustainability, equity, and human flourishing for generations to come.

Faculty attended for FDP on Universal Human Values A.Y.: 2020-21 conducted from 14<sup>th</sup>- 18<sup>th</sup> DEC2020.

<b>Prasad V. Potluri Siddhartha Institute of Technology, Kanuru</b>				
<b>Faculty attended for FDP on Universal Human Values A.Y.: 2020-21</b>				
S. No.	Name of the Faculty	Department	Name of FDP	Duration
1	B.Surya Prasada Rao	ECE	UHV-I	14 <sup>th</sup> - 18 <sup>th</sup> Dec2020
2	A.Satya Phani Kumari	FED	UHV-I	14 <sup>th</sup> - 18 <sup>th</sup> Dec2020
3	M. Anupama ammulu	FED	UHV-I	14 <sup>th</sup> - 18 <sup>th</sup> Dec2020
4	A. Purna Chandra Rao	FED	UHV-I	14 <sup>th</sup> - 18 <sup>th</sup> Dec2020
5	G. Sree Devi	FED	UHV-I	14 <sup>th</sup> - 18 <sup>th</sup> Dec2020
6	M. Prameela	FED	UHV-I	14 <sup>th</sup> - 18 <sup>th</sup> Dec2020
7	M. Rudrama Devi	FED	UHV-I	14 <sup>th</sup> - 18 <sup>th</sup> Dec2020
8	Sk. Rehena	FED	UHV-I	14 <sup>th</sup> - 18 <sup>th</sup> Dec2020
9	V. S. Naga Malleswari	FED	UHV-I	14 <sup>th</sup> - 18 <sup>th</sup> Dec2020
10	Y. Pavani	FED	UHV-I	14 <sup>th</sup> - 18 <sup>th</sup> Dec2020
11	K.P. R. Krishna	ECE	UHV-I	22 <sup>nd</sup> -26 <sup>th</sup> March2021
12	M. Rajya Lakshmi	MECH	UHV-I	22 <sup>nd</sup> -26 <sup>th</sup> March2021
13	T. Sri Lakshmi	CSE	UHV-I	22 <sup>nd</sup> -26 <sup>th</sup> March2021
14	D. Sree Lakshmi	CSE	UHV-I	22 <sup>nd</sup> -26 <sup>th</sup> March2021
15	Dr. N. Vijayanand	EEE	UHV-I	22 <sup>nd</sup> -26 <sup>th</sup> March2021
16	S. Hemanth Sai	EEE	UHV-I	22 <sup>nd</sup> -26 <sup>th</sup> March2021
17	Mannava Durga Prasanna	Civil	UHV-I	19 <sup>th</sup> -23 <sup>rd</sup> April2021
18	G. Lakshmi	IT	UHV-I	19 <sup>th</sup> -23 <sup>rd</sup> April2021
19	I.M.V. Krishna	IT	UHV-I	19 <sup>th</sup> -23 <sup>rd</sup> April2021
20	V. Rashmi	IT	UHV-I	31 <sup>st</sup> May-04 <sup>th</sup> June2021
21	K.I.V. Vandana	MECH	UHV-I	31 <sup>st</sup> May-04 <sup>th</sup> June2021
22	Ch. Vidya	Mech	UHV-I	31 <sup>st</sup> May-04 <sup>th</sup> June2021
23	B. Ajay Kumar	IT	UHV-I	07 <sup>th</sup> -11 <sup>th</sup> June 2021





**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

*Certificate of Participation*

This is to certify that **Mrs. A. Satya Phani Kumari** from **PVP Siddhartha Institute of Technology, Vijayawada** has participated and successfully completed the online workshop on **Universal Human Value** on the theme **"Inculcating Universal Human Values in Technical Education"** during **14-18 December, 2020** as organized by **All India Council for Technical Education(AICTE)**.

**Dr. Rajneesh Arora**  
Chairman  
National Coordination Committee for Induction Program

**Prof. Rajive Kumar**  
Member Secretary, AICTE



**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

*Certificate of Participation*

This is to certify that **Mrs. Manne Anupama Ammulu** from **PVP Siddhartha Institute of Technology, Vijayawada** has participated and successfully completed the online workshop on **Universal Human Value** on the theme **"Inculcating Universal Human Values in Technical Education"** during **14-18 December, 2020** as organized by **All India Council for Technical Education(AICTE)**.

**Dr. Rajneesh Arora**  
Chairman  
National Coordination Committee for Induction Program

**Prof. Rajive Kumar**  
Member Secretary, AICTE

Prasad V. Potluri Siddhartha Institute of Technology, Kanuru				
Faculty attended for FDP on Universal Human Values A.Y.: 2021-22				
S. No.	Name of the Faculty	Department	Name of FDP	Duration
1	V.S.D. Rekha	ECE	UHV-I	5 <sup>th</sup> -09 <sup>th</sup> July 2021
2	D. Swathi	ECE	UHV-I	5 <sup>th</sup> -09 <sup>th</sup> July 2021
3	Dr. N. Ramanuja	MBA	UHV-I	02 <sup>nd</sup> -06 <sup>th</sup> Aug2021
4	B. V. Subbayamma	ECE	UHV-I	09 <sup>th</sup> -13 <sup>th</sup> May2022
5	Ch. Sri Lakshmi	ECE	UHV-I	09 <sup>th</sup> -13 <sup>th</sup> May2022
6	M. Radha Devi	Mech	UHV-I	06 <sup>th</sup> -10 <sup>th</sup> June2022
7	V.Rashmi	ECE	SIP	20 <sup>th</sup> Sep 2021



Prasad V. Potluri Siddhartha Institute of Technology, Kanuru				
Faculty attended for FDP on Universal Human Values A.Y.: 2022-23				
S. No.	Name of the Faculty	Department	Name of FDP	Duration
1	N. Suresh Babu	MBA	UHV-I	30 <sup>th</sup> Jan – 03 <sup>rd</sup> Feb 2023
2	Dr. B. Surya Prasada Rao	ECE	UHV-II	13 <sup>th</sup> – 18 <sup>th</sup> Feb 2023
3	Dr. V.S.D.Rekha	ECE	UHV-II	13 <sup>th</sup> – 18 <sup>th</sup> Feb 2023
4	D. Swathi	ECE	UHV-II	13 <sup>th</sup> – 18 <sup>th</sup> Feb 2023
5	K.Phani Rama Krishna	ECE	UHV-II	13 <sup>th</sup> – 18 <sup>th</sup> Feb 2023
6	B. V. Subbayamma	ECE	UHV-II	13 <sup>th</sup> – 18 <sup>th</sup> Feb 2023
7	Dr. N. Vijayanand	EEE	UHV-II	24 <sup>th</sup> – 29 <sup>th</sup> April 2023
8	S. Hemanth Sai	EEE	UHV-II	24 <sup>th</sup> – 29 <sup>th</sup> April 2023
9	Dr. N. Usha Rani	FED	UHV-I	12 <sup>th</sup> – 16 <sup>th</sup> June 2023
10	Dr. T. Preethi Rangamani	FED	UHV-I	12 <sup>th</sup> – 16 <sup>th</sup> June 2023
11	Dr. P. Pavani	FED	UHV-I	12 <sup>th</sup> – 16 <sup>th</sup> June 2023





**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

*Certificate of Participation*

This is to certify that **Dr. Pavani Peddi** from **Prasad V Potluri Siddhartha Institute of Technology, Vijayawada** has participated and successfully completed the 5-day Online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 12th June to 16th June 2023.

  
Dr. Rajneesh Arora  
Chairman  
National Coordination Committee for Induction Program

  
Prof. Rajive Kumar  
Member Secretary, AICTE



**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

*Certificate of Participation*

This is to certify that **Dr. Tayi Preethi Rangamani** from **Prasad V Potluri Siddhartha Institute of Technology, Vijayawada** has participated and successfully completed the 5-day Online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 12th June to 16th June 2023.

  
Dr. Rajneesh Arora  
Chairman  
National Coordination Committee for Induction Program

  
Prof. Rajive Kumar  
Member Secretary, AICTE



**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

*Certificate of Participation*

This is to certify that **Dr. N Usharani** from **Prasad V Potluri Siddhartha Institute of Technology, Vijayawada** has participated and successfully completed the 5-day Online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 12th June to 16th June 2023.

  
Dr. Rajneesh Arora  
Chairman  
National Coordination Committee for Induction Program

  
Prof. Rajive Kumar  
Member Secretary, AICTE

“UNIVERSAL HUMAN VALUES” is included as subject in the curriculum for B.Tech students of P.V.P.S.I.T from PVP-20 regulations. Below is the syllabus for the same.

**UNIVERSAL HUMAN VALUES**

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

**Course Outcomes**

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

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

**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
<b>CO1</b>	1							1				1		
<b>CO2</b>	1							2	1	1		1		
<b>CO3</b>								1		1		1	1	
<b>CO4</b>								1		1		1	1	



<b>Syllabus</b>		
<b>Unit No.</b>	<b>Contents</b>	<b>Mapped PO</b>
I	<p><b>Introduction - Need, Basic Guidelines, Content and Process for Value Education</b></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><b>Understanding Harmony in the Human Being - Harmony in Myself!</b></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><b>Understanding Harmony in the Family and Society- Harmony in Human-Human Relationship</b></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><b>Understanding Harmony in the Nature and Existence - Whole existence as Coexistence</b></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

“**PROFESSIONAL ETHICS**” is included as subject in the curriculum for B. Tech students of P.V.P.S.I.T from PVP-14 to PVP-19 regulations.

### **PROFESSIONAL ETHICS**

(Common to all branches during I B.Tech., II Semester) Course

Code(s): CE2T2, ME2T2, CS2T2, IT2T2, AE2T2, EE2T2, EC2T2

**Credits: 3**

**Lecture: 3 periods/week**  
**marks**  
**Tutorial: -**  
**marks**

**Internal assessment: 30**  
**Semester end examination: 70**

Prerequisites:

Nil

---

#### **COURSE OBJECTIVES: -**

1. To inculcate the sense of social responsibility.
2. To develop a firm ethical base.
3. To make the students realize the significance of ethics in professional environment.

#### **COURSE OUTCOMES: -**

- CO1) Ethical, social and environmental awareness
- CO2) Engineer’s rights and responsibilities act in morally desirable ways, towards moral commitment and responsible conduct
- CO3) Integrating academic learning with experimental learning in a profession

#### **SYLLABUS: -**

##### **UNIT 1**

- Profession - Definition
- Three types of Ethics
- Engineering Ethics
- Rights & Responsibilities of an engineer

##### **UNIT 2**

- Evolution of Engineering Ethics
- Code of Ethics
- Kohlberg’s Theory
- Gilligan’s theory

##### **UNIT 3**

- Engineering as social experimentation
- Engineer’s social responsibility

#### **UNIT 4**

- Computer Ethics
- Ethical Hacking
- Privacy

#### **UNIT 5:**

- Environmental Ethics
- Livable Environment
- Technology assessment

#### **Reference books: ----**

1. Ethics in engineering: Mike W.Martin Roland, Mac Grow Hill.Schinzinger
2. Engineerinethics---- M.Govindarajan, S.Natarajan&V.S.Senthil Kumar. Eastern economy Edn.PHI
3. Engineering ethics-- Harris pitch and Rabbins, cengage.
4. Caroline whit back---Ethics in engineering practice and research-----Cambridge.

#### **E-learning resources:**

<http://nptel.ac.in/courses.php>

<http://jntuk-coeerd.in/>

#### **PROGRAMMES FOR STUDENTS BY CORPORATES:**

In today's dynamic professional landscape, where ethical considerations are paramount, these programs play a crucial role in shaping the mind-set and behaviour of future engineering professionals.

Recognizing the importance of instilling ethical values early in students' careers college conduct interaction programmes with corporates to make students industry ready. These programs are designed to provide students with a comprehensive understanding of ethical principles and their application in engineering practice. Through interactive sessions and case studies, students are exposed to various ethical dilemmas commonly encountered in the field.



