

Counselling Code : MTEC

Estd : 1999

JNTUH College Code : 86



MOTHER THERESSA COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by A.I.C.T.E, New Delhi & Affiliated to J.N.T.U Hyderabad)

P.P.Colony (Po.), Peddabonkuru (Vill), PEDDAPALLI (Mdl. & Dist.) - 505174, Telangana State.

Website : www.mtec86.ac.in E-mail: mtec.86@gmail.com Contact : +91 9849472523, +91 9542709545, +91 9989959556.

R16 B.TECH EEE.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.TECH. ELECTRICAL AND ELECTRONICS ENGINEERING III YEAR COURSE STRUCTURE & SYLLABUS (R16)

Applicable From 2016-17 Admitted Batch

III YEAR I SEMESTER

S. No.	Course Code	Course Title	L	T	P	Credits
1	EE501PC	Electrical Measurements & Instrumentation	4	1	0	4
2	EE502PC	Power Systems - II	4	1	0	4
3	EI503PC	Microprocessors and Microcontrollers	4	1	0	4
4	SM504MS	Fundamentals of Management	3	0	0	3
5		Open Elective - I	3	0	0	3
6	EE505PC	Electrical Measurements & Instrumentation Lab	0	0	3	2
7	EE506PC	Basic Electrical simulation Lab	0	0	3	2
8	EI507PC	Microprocessors and Microcontrollers Lab	0	0	3	2
9	*MC500HS	Professional Ethics ✓	3	0	0	0
		Total Credits	21	3	9	24



Y. Zeena
PRINCIPAL
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PEDDAPALLI-505 174.

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MC 500HS: PROFESSIONAL ETHICS

B.Tech. III Year I Sem.

1 T P C
3 0 0 0

Course Objective: To enable the students to imbibe and internalize the Values and Ethical Behaviour in the personal and Professional lives

Course Outcome: The students will understand the importance of Values and Ethics in their personal lives and professional careers. The students will learn the rights and responsibilities as an employee, team member and a global citizen

UNIT - I

Introduction to Professional Ethics Basic Concepts, Governing Ethics, Personal & Professional Ethics, Ethical Dilemmas, Life Skills, Emotional Intelligence, Thoughts of Ethics, Value Education, Dimensions of Ethics, Profession and professionalism, Professional Associations, Professional Risks, Professional Accountabilities, Professional Success, Ethics and Profession

UNIT - II

Basic Theories: Basic Ethical Principles, Moral Developments, Deontology, Utilitarianism, Virtue Theory, Rights Theory, Casuist Theory, Moral Absolution, Moral Rationalism, Moral Pluralism, Ethical Egoism, Feminist Consequentialism, Moral Issues, Moral Dilemmas, Moral Autonomy

UNIT - III

Professional Practices in Engineering: Professions and Norms of Professional Conduct, Norms of Professional Conduct vs. Profession, Responsibilities, Obligations and Moral Values in Professional Ethics, Professional codes of ethics, the limits of predictability and responsibilities of the engineering profession
Central Responsibilities of Engineers - The Centrality of Responsibilities of Professional Ethics, lessons from 1979 American Airlines DC-10 Crash and Kansas City Hyatt Regency Walk away Collapse

UNIT - IV

Work Place Rights & Responsibilities, Ethics in changing domains of Research, Engineers and Managers, Organizational Complaint Procedure, difference of Professional Judgment within the Nuclear Regulatory Commission (NRC), the Hanford Nuclear Reservation
Ethics in changing domains of research - The US government wide definition of research misconduct, research misconduct distinguished from mistakes and errors, recent history of attention to research misconduct, the emerging emphasis on understanding and fostering responsible conduct, responsible authorship, reviewing & editing



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UNIT - V

Global issues in Professional Ethics Introduction - Current Scenario, Technology Globalization of MNCs, International Trade, World Summits, Issues, Business Ethics and Corporate Governance, Sustainable Development Ecosystem, Energy Concerns, Ozone Deflection, Pollution, Ethics in Manufacturing and Marketing, Media Ethics, War Ethics, Bio Ethics, Intellectual Property Rights

TEXT BOOKS:

- 1 Professional Ethics R Subramanian, Oxford University Press, 2015
- 2 Ethics in Engineering Practice & Research, Caroline Whitbeck, 2e, Cambridge University Press 2015

REFERENCES:

- 1 Engineering Ethics, Concepts Cases Charles E. Harris Jr, Michael S Pritchard Michael J Rabins, 4e, Cengage learning, 2015
- 2 Business Ethics concepts & Cases Manuel G Velasquez, 6e, PHI, 2008



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MOTHER THERESSA
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PEDDAPALLI, TELANGANA

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MOTHER THERESSA COLLEGE OF ENGG & TECH, PEDDAPALLI

wef: 15.07.2019										
III EEE - I SEM										
A.Y:2019 - 2020										
Day/Period	9:30-10:20	10:20-11:10	11:10-11:20	11:20-12:10	12:10-12:50	12:50-1:30	1:30-2:20	2:20-3:10	3:10-4:00	
MON	DM	M1	M1	MPMC	FOM	LUNCH	PS - II	DM	COUNSEL	
TUE	PS - II	FOM		M1	MPMC		BES / MPMC LAB			
WED	MPMC	DM		PS - II	FOM		M1	PS - II	LIBRARY	
THU	M1	MPMC		DM	FOM		MPMC LAB			
FRI	FOM	M1		DM	PS - II		BES/M1 LAB			
SAT	MPMC	FOM		M1	PS - II		PE SPORTS			

CLASS TEACHER: 1. CH JYOSTHNA 2. D MAHENDER

S.NO	SUBJECT	STAFF ALLOTTED
1	PS - II	R RAJITHA
2	M1	A PRATHYUSHA
3	DM	R CHAITHANYA
4	MPMC	B SANTHOSH
5	FOM	K VENKATESHWARLU
6	M1 LAB	DR D AMBICA
7	MPMC LAB	D MAHENDER
8	BES LAB	A PRATHIBA
9	PROFESSIONAL ETHICS	K KUMAR
10	COUNSEL	R RAJITHA

Alamy
IN CHARGE



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