



DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi and Affiliated to JNTU, Kakinada)

An ISO 9001-2015 Certified Institution

Ganguru, Vijayawada- 521139.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SEMESTER WISE TABLE

ACADEMIC YEAR	EEE-I		EEE -II		EEE -III		EEE -IV	
	SEM-I	SEM-II	SEM-I	SEM-II	SEM-I	SEM-II	SEM-I	SEM-II
2014-15	PE&HV	--	--	--	--	--	--	--
2015-16	PE&HV	--	--	--	--	--	--	--
2016-17	--	--	--	--	--	--	--	--
2017-18	--	--	--	--	--	--	--	--
2018-19	--	--	--	--	--	PE&HV	--	--


PRINCIPAL



Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139



Time Table

Branch: EEE

Year/Sem: I B. Tech./I Sem

Academic Year: 2014-15

w.e.f: 01/09/2014

Period/Day	1	2	3	4	5	1:10-2:00	6	7	8	
	9:00-9:50	9:50-10:40	10:40-11:30	11:30-12:20	12:20-1:10		2:00-2:50	2:50-3:40	3:40-4:30	
Mon	M-II	M-I	EP	ENG	PE&HV	L U N C H	<--ECSL- I (LAB-A)/EP(LAB-B)-->			
Tue	EP	ENG	M-I	M-II(T-A)/EP(T-B)			<----- EWS(LAB)/ITWS(LAB) ----->			
Wed	M-I	EP	M-II	<-- EP(VL)/ED(T) -->			PE&HV	<- M-I(T-A)/M-II(T-B) ->		
Thu	EP	<----- ED ----->					<----- ED ----->			
Fri	PE&HV	M-I	M-I	ENG	M-II		<--ECSL- I (LAB-B)/EP(LAB-A)-->			
Sat	ENG	M-I	PE&HV	<- M-I(T-B)/EP(T-A) ->			M-II	EP	M-II	

	Subject	Faculty
ENG	English - I	Mr. Ch.V.S. Sankara Rao
M-I	Mathematics - I	Dr. B.V.S.N. Hari Prasad
M-II	Mathematics - II	Mr. G. R. Ganesh
EP	Engineering Physics	Dr. M. Nagarjuna
PE&HV	Professional Ethics and Human Values	Ms. G. Surekha
ED	Engineering Drawing	Mr. V. V. Krishna Reddy

	Labs	Faculty
ECSL- I	English-Communication Skills Lab-I	Mr. Ch.V.S. Sankara Rao
EP	Engineering Physics Laboratory	Dr. M. Nagarjuna/ Ms. M.Silpa/ Ms. D. Radha
EWS	Engineering Workshop	Mr. Md. Raza Ali
ITWS	IT Workshop	Mr. V.V.R. Manoj
EP(VL)	Engineering Physics Virtual Lab	Dr. M. Nagarjuna

Time Table I/C

B. Sankar Rao
I Year Coordinator
HEAD OF THE DEPARTMENT
BS&H; Coordinator, I B.Tech
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY

Principal





Time Table

Branch: EEE

Year/Sem: I B. Tech./I Sem

Academic Year: 2015-16

w.e.f: 01/07/2015

Period/Day	1	2	10.40-10.50	3	4	5	1:10-2:00	6	7	8
	9:00-9:50	9:50-10:40		10:50-11:30	11:30-12:20	12:20-1:10		2:00-2:50	2:50-3:40	3:40-4:30
Mon	EP	M-I	B R E A K	<--ECSL (LAB-A)/EP(LAB-B)-->			L U N C H	PEHV	ENG	MII
Tue	MI	EP		ENG	M-I(T-A)/MII(T-B)			<-- EP(LAB-A)/ECSL (LAB-B) -->		
Wed	<----- ED ----->			<----- ED ----->				MI	MII	EP
Thu	MII	M-I		MII	<- EP(T-A)/M-I(T-B) ->			ENG	EP	PEHV
Fri	<----- EWS LAB/ITWS LAB----->			EP	M-II	PEHV		MI	MI	
Sat	ENG	ED		ED	ED (T)/EP VL			PEHV	<- M-II(T-A)/EP(T-B) ->	

	Subject	Faculty
ENG	English - I	Ms.J.Pushpa Latha
M-I	Mathematics - I	Dr. B.V.S.N. Hari Prasad
M-II	Mathematics - II	Ms.V.P.Vineela.K
EP	Engineering Physics	Ms. M.Silpa
PE&HV	Professional Ethics	Ms. G. Sureka
ED	Engineering Drawing	Mr. P. Govind Reddy

	Labs	Faculty
ECSL - I	English-Communication Skills Lab-I	Ms.J.Pushpa Latha Mr.M. Venkateswarlu
EP	Engineering Physics Laboratory	Ms. M.Silpa/Ms. D. Radha
EWS	Engineering Workshop	Mr.P. Govind Reddy
ITWS	IT Workshop	Mr.P.Jagadeeswara Rao
EP(VL)	Engineering Physics Virtual Lab	Ms. M.Silpa

Time Table I/C

B. V. S. N. Hari Prasad
HEAD OF THE DEPARTMENT
B.S&H, Coordinator, I B.Tech
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
GANGURU, VIJAYAWADA - 521 139

Principal



DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY
Department of Electrical & Electronics Engineering



DIET/7.5.1...

UG TIME TABLE

Name of the Program: B.Tech in EEE

Class/Sem: III B.Tech Sem-II

Class Room No: F-44

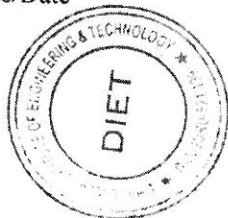
A.Y: 2018-19

W.E.F: 19/11/2018

DAY	1 9:00-9:50	2 9:50-10:40	B R E A K	3 10:50-11:30	4 11:30-12:20	5 12:20-1:10	L U N C H	6 2:00-2:50	7 2:50-3:40	8 3:40-4:30
MON	MPMC	PECD		PSA	ECM	DS		ITC		PECD
TUE	PECD	PSA		DS LAB/ ASSOCIATION				ECM	MPMC/ Library	
WED	ECM	MPMC		PE LAB/ MPMC LAB				PSA /PECD		Counseling
THU	PSA	DS		MPMC LAB /PE LAB				CRT		Internet
FRI	DS	MPMC		ASSOCIATION /DS LAB				PECD	ECM/DS	
SAT	PSA	ECM		MPMC	PECD	DS		PEHV		Sports

Theory/Lab	Faculty Name	L	T	P	O	Sign
PECD:Power Electronic Controllers & Drives	B. Santhosh Kumar	4	1	--	--	SS
PSA:Power System Analysis	Ch.Anil Kumar	4	1	--	--	Ch. Anil
MPMC:Micro Processors and Micro controllers	M Mythri	4	1	--	--	M Mythri
DS:Data Structures	M.Ragini	4	1	--	--	M Ragini
ECM: Energy Audit, Conservation & Management	V.Naga Swetha	4	1	--	--	V Naga Swetha
PE Lab:Power Electronics Laboratory	P.Deepthi/G Sri Lakshmi	--	--	3	--	P Deepthi
MPMC Lab:Microprocessors & Microcontrollers Lab	M Mythri	--	--	3	--	M Mythri
DS Lab:Data Structures Laboratory	M.Ragini	--	--	3	--	M Ragini
PEHV:Professional Ethics & Human Values	V Naga Swetha	2	--	--	--	V Naga Swetha
ITC	P.T.Krishna Sai	--	--	--	3	P.T.Krishna Sai
Library/ Internet/Sports	V Naga Swetha	--	--	--	3	V Naga Swetha
Association	M Sirisha/P.Deepthi	--	--	--	3	M Sirisha
CRT	V P Vineela.K/Ch Sudheer	--	--	--	2	V P Vineela.K
Counseling	M Sirisha, Ch Anil Kumar, V Naga Swetha	--	--	--	1	M Sirisha
Class Incharge Mrs.V Naga Swetha						

Deepthi
I/C Time Tables/Date 5/11/18



[Signature]
HOD / Date
Head of the Department
Electrical & Electronics Engineering
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

[Signature]
Principal
DHANEKULA INSTITUTE
OF ENGINEERING AND TECHNOLOGY
Ganguru, Vijayawada-521 139

I Year – I SEMESTER

T	P	C
3+1	0	3

Professional Ethics and Human Values**UNIT I : Human Values:**

Morals, Values and Ethics – Integrity – Work Ethics – Service Learning – Civic Virtue – Respect for others – Living Peacefully – Caring – Sharing – Honesty – Courage – Value time – Co-operation – Commitment – Empathy – Self-confidence – Spirituality- Character.

UNIT II : Engineering Ethics:

The History of Ethics-Purposes for Engineering Ethics-Engineering Ethics-Consensus and Controversy –Professional and Professionalism –Professional Roles to be played by an Engineer –Self Interest, Customs and Religion-Uses of Ethical Theories-Professional Ethics-Types of Inquiry – Engineering and Ethics-Kohlberg's Theory – Gilligan's Argument –Heinz's Dilemma.

UNIT III : Engineering as Social Experimentation:

Comparison with Standard Experiments – Knowledge gained – Conscientiousness – Relevant Information – Learning from the Past – Engineers as Managers, Consultants, and Leaders – Accountability – Role of Codes – Codes and Experimental Nature of Engineering.

UNIT IV : Engineers' Responsibility for Safety and Risk:

Safety and Risk, Concept of Safety – Types of Risks – Voluntary v/s Involuntary Risk- Short term v/s Long term Consequences- Expected Probability- Reversible Effects- Threshold Levels for Risk- Delayed v/s Immediate Risk- Safety and the Engineer – Designing for Safety – Risk-Benefit Analysis-Accidents.

UNIT V : Engineers' Responsibilities and Rights:

Collegiality-Techniques for Achieving Collegiality –Two Senses of Loyalty-obligations of Loyalty-misguided Loyalty – professionalism and Loyalty-Professional Rights –Professional Responsibilities – confidential and proprietary information-Conflict of Interest-solving conflict problems – Self-interest, Customs and Religion- Ethical egoism-Collective bargaining-Confidentiality-Acceptance of Bribes/Gifts-when is a Gift and a Bribe-examples of Gifts v/s Bribes-problem solving-interests in other companies-Occupational Crimes-industrial espionage-price fixing-endangering lives-



Whistle Blowing-types of whistle blowing-when should it be attempted-preventing whistle blowing.

UNIT VI : Global Issues:

Globalization- Cross-culture Issues-Environmental Ethics-Computer Ethics-computers as the instrument of Unethical behaviour-computers as the object of Unethical Acts-autonomous computers-computer codes of Ethics-Weapons Development-Ethics and Research-Analysing Ethical Problems in Research-Intellectual Property Rights.

Text Books:

1. "Engineering Ethics & Human Values" by M.Govindarajan, S.Natarajan and V.S.SenthilKumar-PHI Learning Pvt. Ltd-2009.
2. "Professional Ethics and Morals" by Prof.A.R.Aryasri, Dharanikota Suyodhana-Maruthi Publications.
3. "Professional Ethics and Human Values" by A.Alavudeen, R.Kalil Rahman and M. Jayakumaran- Laxmi Publications
4. "Professional Ethics and Human Values" by Prof. D.R. Kiran.
5. "Indian Culture, Values and Professional Ethics" by PSR Murthy-BS Publication.
6. "Ethics in Engineering" by Mike W. Martin and Roland Schinzinger - Tata McGraw-Hill - 2003.
7. "Engineering Ethics" by Harris, Pritchard and Rabins, CENGAGE Learning, India Edition, 2009.



III Year - II Semester

L	T	P	C
0	3	0	0

PROFESSIONAL ETHICS AND HUMAN VALUES

Course Objectives:

*To give basic insights and inputs to the student to inculcate Human values to grow as a responsible human beings with proper personality.

*Professional Ethics instills the student to maintain ethical conduct and discharge their professional duties.

UNIT I: Human Values:

Morals, Values and Ethics – Integrity – Trustworthiness - Work Ethics – Service Learning – Civic Virtue – Respect for others – Living Peacefully – Caring – Sharing – Honesty – Courage – Value Time – Co-operation – Commitment – Empathy – Self-confidence – Spirituality- Character.

UNIT II: Principles for Harmony:

Truthfulness – Customs and Traditions - Value Education – Human Dignity – Human Rights – Fundamental Duties - Aspirations and Harmony (I, We & Nature) – Gender Bias – Emotional Intelligence – Salovey – Mayer Model – Emotional Competencies – Conscientiousness.

UNIT III: Engineering Ethics and Social Experimentation:

History of Ethics - Need of Engineering Ethics - Senses of Engineering Ethics- Profession and Professionalism —Self Interest - Moral Autonomy – Utilitarianism – Virtue Theory - Uses of Ethical Theories - Deontology- Types of Inquiry –Kohlberg's Theory - Gilligan's Argument –Heinz's Dilemma - Comparison with Standard Experiments — Learning from the Past –Engineers as Managers – Consultants and Leaders – Balanced Outlook on Law - Role of Codes – Codes and Experimental Nature of Engineering.

UNIT IV: Engineers' Responsibilities towards Safety and Risk:

Concept of Safety - Safety and Risk – Types of Risks – Voluntary v/sInvoluntary Risk – Consequences - Risk Assessment – Accountability – Liability - Reversible Effects - Threshold Levels of Risk - Delayed v/sImmediate Risk - Safety and the Engineer – Designing for Safety – Risk-Benefit Analysis-Accidents.

UNIT V: Engineers' Duties and Rights:

Concept of Duty - Professional Duties – Collegiality - Techniques for Achieving Collegiality – Senses of Loyalty - Consensus and Controversy - Professional and Individual Rights – Confidential and Proprietary Information - Conflict of Interest-Ethical egoism - Collective Bargaining – Confidentiality - Gifts and Bribes - Problem solving-Occupational Crimes- Industrial Espionage- Price Fixing-Whistle Blowing.



UNIT VI: Global Issues:

Globalization and MNCs –Cross Culture Issues - Business Ethics – Media Ethics - Environmental Ethics – Endangering Lives - Bio Ethics - Computer Ethics - War Ethics – Research Ethics -Intellectual Property Rights.

- Related Cases Shall be dealt where ever necessary.

Outcome:

- *It gives a comprehensive understanding of a variety issues that are encountered by every professional in discharging professional duties.
- *It provides the student the sensitivity and global outlook in the contemporary world to fulfill the professional obligations effectively.

References:

1. Professional Ethics by R. Subramaniam – Oxford Publications, New Delhi.
2. Ethics in Engineering by Mike W. Martin and Roland Schinzinger - Tata McGraw-Hill – 2003.
3. Professional Ethics and Morals by Prof.A.R.Aryasri, DharanikotaSuyodhana - Maruthi Publications.
4. Engineering Ethics by Harris, Pritchard and Rabins, Cengage Learning, New Delhi.
5. Human Values & Professional Ethics by S. B. Gogate, Vikas Publishing House Pvt. Ltd., Noida.
6. Engineering Ethics & Human Values by M.Govindarajan, S.Natarajan and V.S.SenthilKumar-PHI Learning Pvt. Ltd – 2009.
7. Professional Ethics and Human Values by A. Alavudeen, R.Kalil Rahman and M. Jayakumaran – University Science Press.
8. Professional Ethics and Human Values by Prof.D.R.Kiran-Tata McGraw-Hill - 2013
9. Human Values And Professional Ethics by Jayshree Suresh and B. S. Raghavan, S.Chand Publications

