



# 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 MECHANICAL ENGINEERING

### SEMESTER WISE TABLE

ACADEMIC YEAR	MECH-I		MECH -II		MECH -III		MECH -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	--	--

*[Handwritten Signature]*  
5/12/2019

PRINCIPAL

Principal

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





Time Table

Branch: ME-A

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

Academic Year: 2014-15

w.e.f: 9/2/15

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	ENG	←----- EP (A) / ECS (B) -----→			L U N C H	EP	M III	M II	
Tue	EP	M II	←----- ITWS / ENGG. WS -----→				M-III	PEHV	ENG	
Wed	EP	←-----ED(G.F D.H)-----→					PEHV	← M II (A) / M-III (B) →		
Thu	ENG	EP	←-----ED(G.F.D.H)-----→				PEHV	←-----ED/EP(VL)-→		
Fri	ENG	EP	M-III	M-III	M II		← M II (B) / EP (A) →		LIB/SPS	
Sat	M-III	M II	PEHV	← EP (B) / M-III (A) →			←----- EP (B) / ECS (A) -----→			

	Subject	Faculty
ENG	ENGLISH	Mr.P. Jaya simha
M-III	MATHEMATICS-III	Mr.K.Dasaradharamaiah
M-II	MATHEMATICS-II	Mrs.P.Madhulatha
PHY	ENGINEERING PHYSICS	Dr.M.Nagarjuna
PEHV	PROFESSIONAL ETHICS AND	Mrs.Ch.Leelavathi
ED	ENGINEERING DRAWING	Mr.J.Surendra

	Labs	Faculty
ECS	ENGLISH LANGUAGE COMMUNICATION SKILLS LAB	Mr.C.H.V.S.Sankar rao/ Mr. M. Venkateswarlu
EP	ENGINEERING PHYSICS LAB	Dr.M.Nagarjuna/Mrs. D. Radha
EWS	ENGINEERING WORKSHOP	Mr.M. Parvathi Devi
ITWS	IT WORKSHOP	Mrs.B.Swathi
PVL	PHYSICS VIRTUAL LAB	Dr. M. Nagarjuna

Time Table I/C

*Bhargava Prasad*  
**I Year Coordinator**  
HEAD OF THE DEPARTMENT  
I B. Tech  
DHANEKULA INSTITUTE  
OF ENGINEERING AND TECHNOLOGY  
Ganguru, VIJAYAWADA - 521 139

Principal





**Time Table**

Branch: ME-B

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

Academic Year: 2014-15

w.e.f: 9/2/15

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 III	EP	PEHV	← M-II (A) / EP (B) →		L U N C H	M II	ENG	LIB/SPS
Tue	M II	←-----ED(G.F)-----→					EP	←----- ED / EPVL -----→	
Wed	PEHV	M III	EP	< - M-II (B) / M III (A) - >			←----- ED(G.F)-----→		
Thu	M III	M II	←----- EP (A) / ECS (B) -----→				M II	PEHV	ENG
Fri	EP	ENG	< ----- ITWS / ENGG. WS ----- >				M-III	←-- EP (A) / M-III (B) -→	
Sat	M II	ENG	←----- EP (B) / ECS (A) -----→				EP	M III	PEHV

	Subject	Faculty
ENG	ENGLISH	Mr.CH.V.S.Sankar Rao
M-III	MATHEMATICS-III	Mr.K.Dasaradaramaiah
M-II	MATHEMATICS-II	Mrs.P.Madhulatha
PHY	ENGINEERING PHYSICS	Mrs.K.A.Sasikala
PEHV	PROFESSIONAL ETHICS AND HUMAN VALUES	Mrs.Ch.Leejavathi
ED	ENGINEERING DRAWING	Dr.K.Ravi

	Labs	Faculty
ECS	ENGLISH LANGUAGE COMMUNICATION SKILLS LAB	Mr.Ch.V.S.Sankar rao/Mr.B.Srinivas Rao/Mr. M. Venkateswarlu
EP	ENGINEERING PHYSICS LAB	Mrs.K.A.Sasikala/Mrs.D.Radha
EWS	ENGINEERING WORKSHOP	Mr.M. Parvathi Devi
ITWS	IT WORKSHOP	Mrs.B.Swathi
PVL	PHYSICS VIRTUAL LAB	Mrs.K.A. Sasi Kala

Time Table I/C

*B. Venkateswara*  
**I Year Coordinator**  
HEAD OF THE DEPARTMENT  
I & II, Coordinator, I B Tech  
DHANEKULA INSTITUTE  
OF ENGINEERING AND TECHNOLOGY  
Ganguru, VIJAYAWADA - 521 139

Principal





**Time Table**

Branch: ME-A

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

Academic Year: 2015-16

w.e.f: 14/12/2015

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	M-II	EP	<b>B R E A K</b>	<---EWS/ITWS--->			<b>L U N C H</b>	M-III	EP	ENG
Tue	ENG	<---ED--->		<---ED--->				M-III	M-II	EP
Wed	PEHV	M-II		EP	M-III	ENG		<--- ECS(A)/ EP(B) Lab--->		
Thu	EP	M-III		PEHV	M-II	ENG		<---ED--->		
Fri	M-III	EP		PEHV	M-II	M-II		<---EP(A)/ECS(B) Lab--->		
Sat	EP	M-III		M-III	<---ED/VL--->			M-II	PEHV	LIB/SPS

	Subject	Faculty
ENG	English-II	Mr. T. Siva Nagaraju
M-III	Mathematics III	Mr. K.Dasaradha Ramaiah
M-II	Mathematics-II	Ms.P.Madhu Latha
EP	Engineering Physics	Dr.M.Nagarjuna
PEHV	Professional Ethics & Human Values	Ms.D.Renuka Devi
ED	Engineering Drawing	Mr.Md. Raza Ali

	Labs	Faculty
ECSL	English-Communication Skills Lab-II	Mr. T. Siva Nagaraju/ Mr.B.Srinivasa Rao/Mr. M. Venkateswarlu
EP	Engineering Physics Lab	Dr.M.Nagarjuna/Ms.D. Radha
EWS	Engineering Workshop	Mr.K. Ravi
ITWS	IT Workshop	Mr.P.Jagadeswara Rao
EPVL	Engineering Physics & Virtual Lab Assignments	Dr.M.Nagarjuna

Time Table I/C

*B. Srinivasa Rao*  
I Year Coordinator  
HEAD OF THE DEPARTMENT  
EC&H, Coordinator, I B Tech  
DHANEKULA INSTITUTE  
OF ENGINEERING AND TECHNOLOGY

Principal





**Time Table**

Branch: ME-B

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

Academic Year: 2015-16

w.e.f: 14/12/2015

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	ENG	M-II	<b>B R E A K</b>	<--- ECS(A)/ EP(B) Lab--->			<b>L U N C H</b>	PEHV	EP	M-III
Tue	M-II	M-III		<---ED--->				EP	M-III	EP
Wed	M-III	EP		ENG	M-II	M-III		EP	PEHV	LIB/SPS
Thu	EP	<---ED--->		<---ED--->				ENG	M-II	M-II
Fri	PEHV	M-II		<--- ITWS(A)/ EWS(B)--->				M-III	<---ED(A)/VL(B)--->	
Sat	EP	PEHV		<---EP(A)/ECS(B) Lab--->				M-III	ENG	M-II

	Subject	Faculty
ENG	English -II	Ms.V.Vasanthi
M-III	Mathematics -III	Mr. K.Dasaradha Ramaiah
M-II	Mathematics-II	Ms.P.Madhu Latha
EP	Engineering Physics	Ms. M.Silpa
PEHV	Professional Ethics & Human Values	Ms.Ch.Leelavathi
ED	Engineering Drawing	Mr.J.Surendra

	Labs	Faculty
ECSL- II	English-Communication Skills Lab-II	Ms.V.Vasanthi/Mr. Ch.V. Sankara Rao
EP	Engineering Physics Lab	Ms. M.Silpa/Ms.D. Radha
EWS	Engineering Workshop	Mr. Md. Raza Ali
ITWS	IT Workshop	Mr.P.Jagadeswara Rao
EPVL	Engineering Physics & Virtual Lab Assignments	Ms. M.Silpa

Time Table I/C

*BKS N Hari Prasad*  
I Year Coordinator  
HEAD OF THE DEPARTMENT  
I Year Coordinator, I B. Tech.  
DHANEKULA INSTITUTE  
OF ENGINEERING AND TECHNOLOGY

Principal

**Dhanekula Institute of Engineering & Technology**  
**Department of Mechanical Engineering**



DIET/7.5.1/FT 12A

**UG TIME TABLE**

Name of the program: B. Tech in M.E  
A.Y: 2018-19

Class/Sem: III B.Tech Sem-II

Section-A  
W.E.F: 19/11/2018

	1	2	10:40- 10:50	3	4	5	1:10- 2:00	6	57	8
	09:00- 09:50	09:50- 10:40		10:50- 11:30	11:30- 12:20	12:20- 01:10		02:00- 02:50	02:50- 03:40	03:40- 04:30
MON	MET	R&AC	B R E A K	OE	HT	HT	L U N C H	[B1] HT LAB / [B2] M&I LAB		
TUE	R&AC	MET		OE	PEHV	LIB		[B1] M&I LAB / [B2] CFD LAB		
WED	OE	NET		ICS	HT	MET		[B1] CFD LAB / [B2] HT LAB		
THU	ICS	OE(T)		[B1] ITC / [B2]				R&AC	PEHV	SPORTS
FRI	HT	HT(T)		ICS(T)	MET(T)	R&AC(T)		ICS	ASSOCIATION ACTIVITY	
				MET(T)	ICS(T)	R&AC(T)				
				[B2] ITC						
SAT	MET	OE		R&AC	PEHV	ICS		CRT	CRT	COUN

THEORY/LAB	FACULTY NAME	L	T	P	O	Signature	
Metrology	Ms.B.Mounika	4	1	--	--	<i>[Signature]</i>	
Instrumentation & Control Systems	Mr.M.Venkat Reddy	4	1	--	--	<i>[Signature]</i>	
Refrigeration & Air-conditioning	Mr.G Purna Chandra Rao	4	1	--	--	<i>[Signature]</i>	
Heat Transfer	Mr.D Bala Nagesh	4	1	--	--	<i>[Signature]</i>	
Open Elective: Industrial Robotics	Mrs.Y.Subba Lakshmi	4	1	--	--	<i>[Signature]</i>	
Open Elective: Green Engg.Systems		4	1	--	--	<i>[Signature]</i>	
Heat Transfer Lab	Mr.G Purna Chandra Rao	--	--	3	--	<i>[Signature]</i>	
Metrology & Instrumentation Lab	Mrs.M.S.D.Ajetha	--	--	3	--	<i>[Signature]</i>	
Computational Fluid Dynamics Lab	Mr.D Bala Nagesh	--	--	3	--	<i>[Signature]</i>	
Professional Ethics & Human Values	Ms. SK. M. REHMAN	--	3	--	--	<i>[Signature]</i>	
CRT	Mrs.V.P.Vineela Mr.Ch.Sudheer	--	--	--	2	<i>[Signature]</i>	
ITC(APSSDC)	B1:Mrs.Y.Subba Lakshmi B2:Mr.D.Bala Nagesh	--	--	--	3	<i>[Signature]</i>	
Department Association Activity	Ms.B.Mounika	--	--	--	3	<i>[Signature]</i>	
Sports	Mr.M.Venkat Reddy	--	--	--	1	<i>[Signature]</i>	
Internet	Mr.M.Venkat Reddy	--	--	--	1	<i>[Signature]</i>	
Library	Ms.B.Mounika	--	--	--	1	<i>[Signature]</i>	
Counseling	1.Mrs.M.S.D.Ajetha 2.Mrs.M.Bharathi 3.Mr.D.Mojeswara Rao	--	--	--	1	<i>[Signature]</i>	
Class In Charge		Ms.B.Mounika					<i>[Signature]</i>

I/C Time Tables/Date

HOD/ Date

Principal

Head of the Department  
Mechanical Engineering  
**DHANEKULA INSTITUTE**  
OF ENGINEERING AND TECHNOLOGY  
Ganguru, Vijayawada-521 139



**Dhanekula Institute of Engineering & Technology**  
**Department of Mechanical Engineering**



DIET/7.5.1/FT 12A

**UG TIME TABLE**

Name of the program: B. Tech in M.E  
Academic year: 2018-19

Class/Sem: III B.Tech Sem-II

Section-B  
W.E.F:19/11/2018

	1	2	10:40- 10:50	3	4	5	01:10- 02:00	6	7	8	
	09:00- 09:50	09:50- 10:40		10:50- 11:30	11:30- 12:20	12:20- 01:10		02:00- 02:50	02:50- 03:40	03:40- 04:30	
MON	ICS	PEHV	B R E A K	OE	R&AC	R&AC	L U N C H	MET	HT(T)	COUN	
TUE	PEHV	HT		OE	CRT	CRT		R&AC	ICS	SPORTS	
WED	OE	HT		[B1] ITC				MET	PEHV	NET	
THU	MET	OE(T)		R&AC(T)	MET(T)	ICS(T)		[B1] HT LAB / [B2]M&I LAB			
FRI	R&AC	MET		HT	HT	ICS		LIB	ASSOCIATION ACTIVITY		
SAT	ICS	OE		[B1] M&I LAB / [B2] CFD LAB				[B1]CFD LAB/[B2]HT LAB			
				ICS(T)	MET(T)	R&AC(T)					
			[B2] ITC								

THEORY/LAB	FACULTY NAME	L	T	P	O	Signature
Metrology	Ms.B.Mounika	4	1	--	--	<i>[Signature]</i>
Instrumentation & Control Systems	Mr.M.Venkat Reddy	4	1	--	--	<i>[Signature]</i>
Refrigeration & Air-conditioning	Mr.G Purna Chandra Rao	4	1	--	--	<i>[Signature]</i>
Heat Transfer	Mr.D Bala Nagesh	4	1	--	--	<i>[Signature]</i>
Open Elective: Industrial Robotics	Mrs.Y.Subba Lakshmi	4	1	--	--	<i>[Signature]</i>
Open Elective: Green Engg.Systems		4	1	--	--	
Heat Transfer Lab	Mr.G Purna Chandra Rao	--	--	3	--	<i>[Signature]</i>
Metrology & Instrumentation Lab	Mrs.M.Bharathi	--	--	3	--	<i>[Signature]</i>
Computational Fluid Dynamics Lab	Mr.D.Mojeswara Rao	--	--	3	--	<i>[Signature]</i>
Professional Ethics & Human Values	Mr. SK.M. Rehman	--	3	--	--	<i>[Signature]</i>
CRT	Mrs.V.P.Vineela Mr.Ch.Sudheer	--	--	--	2	<i>[Signature]</i>
ITC(APSSDC)	B1:Ms.B.Durga B2:Mr.P.Gopal Rao	--	--	--	3	<i>[Signature]</i>
Department Association Activity	Mr.M.Venkat Reddy	--	--	--	3	<i>[Signature]</i>
Sports	Mr.A.Pratyush	--	--	--	1	<i>[Signature]</i>
Internet	Mr.P.Gopal Rao	--	--	--	1	<i>[Signature]</i>
Library	Mr.M.Venkat Reddy	--	--	--	1	<i>[Signature]</i>
Counseling	1.Ms.B.Mounika 2. 3.Mr.A.Pratyush	--	--	--	1	<i>[Signature]</i>
Class In Charge		Mr.M.Venkat Reddy				

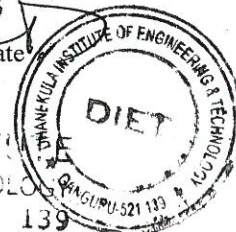
I/C Time Tables/Date

*[Signature]*

HOD/ Date  
Head of the Department  
Mechanical Engineering

*[Signature]*

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



Principal

*[Signature]*  
16/11/18

I Year- II 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/s Involuntary Risk – Consequences - Risk Assessment – Accountability – Liability - Reversible Effects - Threshold Levels of Risk - Delayed v/s Immediate 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

