SAMRAT ASHOK TECHNOLOGICAL INSTITUTE												
ETA		(Engineering College), VIDISHA M.P.										
Stones .	and the second second	(An Autonomous Institute Affiliated to RGPV Bhopal)										
VIDISHA M.P.				App	lied S	cience	(Physic	s)				
Semester/	Year	1/11			gram		<u>(</u>	B.T	ech			
Subject	BS	Subject		PYB101		Subject				~		
Category	53	Code:				Name:		Applied	FIIYSIC	5	1	
			axim	um Marks Allo		otical		Conta	ct Hou	s	Tatal	
		Theory			End	ictical Lab-	Total				Total Credits	
End Sem	Mid-S	Sem Q	uiz Assignment Sem Work Marks L			Т	Ρ	Croand				
60	20	20 10 10 30 20 150 3						0	1	4		
<u> </u>												
Prerequisi		: (Th		l. l le \								
Intermedia		ics (Theo	ry an	id Lab)								
Course Ob		designed	to i	moort fundam	ontol len	owladge al	hout come	rang of	nhusia	0.11	which are	
				mpart fundam technologies.								
				Optics, Holog								
		materia		Laboratory		-						
1				ental and advar			÷	which a		/IIU	icu witti	
Course Ou			um		lieeu uree	to or physic						
1			rse, :	students will b	e able							
CO1				quantum ph		nd apply it	to the beha	viour of	a syst	en	n at	
				and solve the								
CO2				cess of lase								
				ous lasers. Th								
				ography and I fibers and								
	hologra		Juca		proceed			inu rep	ocucii		01	
CO3	0		the	basic concep	ots and	theory of	semicondu	ictor f	or de	evi	ces	
	applicat	ion.		-		-						
CO4				know the prin								
				le to explain			nductors, t	heir pro	opertie	5 8	and	
CO5				chnology and interest in the second sec			zooloctric	matarial	c in to	m	> of	
005		plications			Dielecti	ics and rie		material		1113	5 01	
CO6				nts related to t	he cours	e contents						
UNITS								CO's				
	Quant	tum mec	han	ics: Planck'	s quantu	im hypoth	esis, Wave	e-particle	9			
				de-Broglie m								
				experiment,								
-				rg uncertainty					9			
				significance, equations, part					,			
				of lasers, the					-			
				tion of lasers,								
				ations of Las								
	Indust											
II				nt guidance thi								
				otance angle,			nerical ape	rture, V	-			
				l & material dis ic principle			Construction	on and	4			
				age on hologr					1			
				nductors: De					1 ~	+		
	format	tions, dire	ect a	nd indirect ba	ind gap,	Effective n	nass, Ferm	i energy	8			

	 levels. Mobility and carrier concentrations (intrinsic). Radiative and non-radiative recombination mechanisms in semiconductors. Semiconductor Devices: Properties of PN junction and I-V diode equation, Photovoltaic cell, LED Materials for fabrication, LED Structures and Characteristics; Injection Laser Diode (ILD) - Laser action in semiconductors, structures and efficiency. 						
IV	 Superconductors: Free electrons theory of metals, Temperature dependence of resistivity in superconducting Metals, Effect of magnetic field (Meissner effect), Temperature dependence of critical field, Type I and Type II superconductors, BCS theory (Qualitative), High-temperature superconductors and Applications of superconductors. Nanomaterials: Basic principle of nanoscience and technology, structure, properties ad uses of Fullerene and Carbon nanotubes, Applications of nanotechnology. 	8					
V	Dielectrics Materials : Polar and Non-Polar Dielectrics, Dipole moment and Polarization, Dielectric constant& Polarization, Gauss law in Dielectric, the relation between electric field vector. E. Band D.						
	Lectures (if any)						
Total H		40					
	tive list of experiments:						
1.	To determine the width of a single slit from the study of Fraunhoffer diffraction	on patt	ern using				
	a He-Ne Laser.						
2.	To determine the frequency of A.C. mains using an electrical - vibrator.						
3.	Determination of Planck's constant.						
	To determine the frequency of A.C. mains using a sonometer.						
	To study the nature of polarization of light using the half-wave plate.						
	To find the numerical aperture of the given fibre.						
7.	To determine the refractive indices μ_0 and μ_e of Quartz prism for ordinary and	nd extr	aordinary				
	rays using the spectrometer.						
9.	To determine the wavelength of monochromatic source of light by Fresnel's b To study the V-I characteristics of semiconductor diode	iprism.					
	To study V-I Characteristics of LED						
	To study the V-I characteristics of tunnel diode	NT	,				
	method.		on's rings				
	To determine the absorption coefficient of a glass plate by "LUMMER photometer.	- BRC	DDHUM"				
	To determine the resolving power of a telescope.						
15.	To determine the wavelength of light emitted by mercury vapour lamp usin	ga d	ittraction				
	grating.						
Text B							
•	Concepts of Modern Physics, Arthur Beiser, Tata McGraw-Hill,6th edition,20	09.					
•	Optics, A.Ghatak, McGraw Hill, 2012.						
•	 Engineering Physics, Hitendra K Malik& A.K. Singh, Mc Graw Hill Education Private Limited 						
•	Elements of Modern Physics, S.H. Patil						
•	Kiruthiga Sivaprastha, Modern Physics, S. Chand						
•	A Textbook of Engineering Physics, Gaur and Gupta, Dhanpat Rai Publisher Delhi,8 th edition,.2011.	rs, New	,				
	Electrical Engineering Materials by A.J. Dekker, PHI publication						
Refere	nce Books-						
•	Lasers and non-linear optics, B.B.Laud, New Age international,3 rd edition,20)11					
-	Lasers and non-inten optics, D.D.Daud, ivew rige international, 5 - Cutton, 20						

- Solid State Physics, S.O.Pillai, New Age International Ltd, publishers •
- Electromagnetic Theory for Telecommunications, C.S.Liu and V.K.Tripathi, Foundation • Books, New Delhi,2007
- Quantum Mechanics by L.I. Schiff, Mc Graw Hill Co. .
- A Textbook of Quantum Mechanics by Piravonu Mathews, K. Venkatesan (Tata • McGraw Hill)
- Cady, W. G., Piezoelectricity, Dover Publication •
- Piezoelectric Materials & Devices: Application in Engineering And Medical Sciences By • M.S. Vijiya .CRC Press.
- Electrical Engineering Materials Physics Properties by SP A Seth, Dhanpat Rai Publications. •
- Modes of Evaluation and Rubric

Assignments,	Quiz,	Tests	& exams
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Criteria	Excellent (3 points)	Good (2 points)	Fair(1 point)
Quiz	> 80%	60-80%	40-60%
Test & exam	>75%	60 -75%	< 60%
C	Assignment is coherently organized and the logic / solution to all the problems provided. Writing is clear and concise and persuasive.	Assignment is generally well organized and logic / solution to maximum of the problems provided barring few inaccuracies.	Assignment is poorly organized and difficult to follow. Does not flow logically from one part to another with lots of mistakes

List/Links of e-learning resource

- https://nptel.ac.in/courses/122107035/#
- https://nptel.ac.in/course.html •
- http://www.tndte.gov.in/site/wp-content/uploads/2016/08/Engineering-physics.pdf •
- https://physicstoday.scitation.org •
- Barbastathis, G. and Sheppard C., Optics, • https://ocw.mit.edu/courses/mechanical-engineering/2-71-optics-spring-2009/

Recommendation by Board of studies on	14.06.2022	
Approval by Academic council on		
Compiled and designed by	Jetendra Parashar	
Subject handled by department	Applied Science (Physics)	

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SAMRAT ASHOK TECHNOLOGICAL INSTITUTE (Engineering College), VIDISHA M.P. (An Autonomous Institute Affiliated to RGPV Bhopal) Mechanical Engineering											
Semester	/Year	1/11		Prog			J	 В. Т.	ech		
Subject Category	BSC	Subjec		IEA102	Subje		Eng	ineering		aphi	cs
e alle get y		-		larks Allotte							
	Theo	ory		P	ractical		Total	Conta	ct Ho	ours	Total
End	Mid-	Quiz	Assign	End	Lab-	Quiz	Marks	L	т	Р	Credits
Sem	Sem		ment	Sem	Work						
60	20	10	10	30	10	10	150	03	0	02	04
Course (The object	ometrical Objective ctive of Er	: ngineerin	g Graphi		-		and thinking				-
-	-	-	-				al-life proble		Jun		oigii, aio
Course C				2 22 301101							
			understa	nd the vario	ous types	of En	gineering So	cales, R.	F., C	onstr	uction of
	nd Parabo				51		0 0	,	,		
2. Learn t	the funda	mentals o	of points	and Straigh	t line and	their I	mportance i	n Engine	ering	g Prof	fession.
3. Unders	stand the	Projectio	n of Plan	e and Solid	is and the	ir App	lication				
		•		•			tion of Solid				
	about the	Isometric	c Projecti			ndame	ntal of CAD	/CAM			
UNITs	Descriptions Hrs. CO's										
I	Basic introduction about Drawing, and various instruments required for drawing. Scales: Representative factor, Plain Scales, Diagonal Scales, Scale of Chords Conic Section: Construction of Ellipse, Parabola, hyperbola by different methods; Normal and tangent										
	Special Curves: Cycloid, Epicycloid, Hypocycloid, Involutes, Archimedean, and Logarithmic Spirals										
II	Projection of points and Straight lines:Projection of Points, concepts of orthogonal projection system.Projection of Lines, Projection of parallel Line, perpendicular line and oblique Line, line placed in two quadrants, line contained by Profile Plane, Traces of lines, methods of determining T.L. and T.I. of oblique line, Rotating line method, Trapezoidal method8										
111	Projection of planes:Projection of perpendicular and oblique plane.Traces of plane.Projection of Solids:Classification of Solids, Position of solids withrespect to R.P. projection of platonic solids, polyhedrons, Solids ofrevolution, projection of solids on Auxiliary plane, Projection ofCombination of Solids.										
IV	method solid, so Section	of develo lids with o of So	opment F cutouts, I blids: (Parallel line ntersection Classificatio	and radia of cylindo n of s	al line ers. ection	ent of surfa method for planes, inclined pla	right B.I.S		8	4

Section of platonic solids, True and apparent shape of section.					
Isometric projections:Isometric scales, isometric axis, IsometricProjection from orthographic drawing.Computer Aided Drafting (CAD):Introduction, benefits, software's basiccommand of drafting entities like line, circle, polygon, polyhedron,cylinders, transformations and editing commands like move, rotate, mirrorarray, solution of projection problems on CAD.					
Guest Lectures (if any)					
Total Hours	40				
Suggestive list of experiments: 1. Scale					
2. Conic Section					
3. Engineering Curves					
4.Projection of Points					
5. Projection of Lines					
6. Projection of Planes.					
7. Projection of Solids					
8. Section of Solids					
9. Development of Surfaces					
10. Isometric Projection.					
-					
 Text Book- Engineering Drawing by CM Agrawal and Basant Agrawal TMH Publications. A Textbook of Engineering Drawing by R.K. Dhawan 					
Reference Books- 1. N.D. Bhatt and V.M. Panchal, Engineering Drawing Plane and Solid Geometry, C	harotar				
Publishing House. Engineering Drawing and Graphics by K. Venugopal					
 Engineering Graphics by B. Bhattacharyya Technical Drawing with Engineering Graphics by Frederick E Giesecke and Ivan Engineering Graphics by T. Jeyapoovan, S. Gowri 	L Hill				
Modes of Evaluation and Rubric					
There will be continuous evaluation for during the semester for 40 sessional marks					
End term Marks. The practical marks are 50, out of which 30 marks will be awarded					
20 marks for lab work. Out of 40 sessional marks, 20 shall be awarded for Mid seme					
be awarded for day to day performance and Quiz/Assignments. For the 60 Marks	3, there	will be a			
semester – End examination as per the norms of AICTE. Recommendation by Board of studies on					
Approval by Academic council on					

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SAMRAT ASHOK TECHNOLOGICAL INSTITUTE

(Engineering College), VIDISHA M.P.

(An Autonomous Institute Affiliated to RGPV Bhopal)

Mechanical Engineering

Semester	Semester/Year		Program				E	3.Tech	า	
Subject Categor y	ESC	Subjec t Code:	MEA 101		Subject Name:	Basic M	Mechanical Engineering			
	Maximum Marks Allotted							ntact I	Hours	
	Theory			Practical				naci	10015	Total
End Sem	Mid-Sem	Quiz	Assign ment	End Sem		– Total Marks	L T		Р	Credits
60	20	10	10	30	20	150	3	0	2	4

Course Objective:

This Course develop the basic understand about Mechanical Engineering Subjects. At the end of the course students able to know about the basic laws of Thermodynamics and principle of fluid mechanics, Internal Combustion Engine, Material Science and Renewable Sources of Energy

Course Outcomes:

At the end of the course, the students will able to:

CO1: Understand the basic concept of Thermodynamics and working of Boilers and its accessories, evaluate the performance of boiler and properties of Steam.

CO2: Understand the properties of fluids.

CO3: Understand the basic Concepts of Internal Combustion Engines and its working.

CO4: Identify Engineering Materials, and its properties.

CO5: Understand the basics Metrology, Sin Bar, slip Gauge etc.

	Thermodynamical Thermodynamic Systems Dreparties Oveles		
I	 Thermodynamics: Thermodynamic Systems, Properties, Cycles, Process. Zeroth law, First and second law of thermodynamics; steam properties, steam processes at constant pressure, volume, enthalpy & entropy, Refrigeration: Vapour compression cycles, coefficient of performance (COP), refrigerant, properties, and eco-friendly refrigerants. 	10	1
II	Fluids: Fluid properties, pressure, density and viscosity, pressure variation with depth, static and kinetic energy, Bernoulli's equation for incompressible fluids, viscous and turbulent flow, working principle of fluid coupling, pneumatic machines.	8	2
111	Internal Combustion Engines: Otto and Diesel cycles; working of two stroke & four stroke petrol & diesel IC engines; pv-diagrams of four stroke petrol and diesel engines (Actual & theoretical) Valve timing diagrams, Efficiency: mechanical, thermal, Air standard efficiencies of Otto and Diesel Cycle, Simple Problems.	8	3
IV	Materials : Classification of engineering material, Composition of cast iron and carbon steels on iron-carbon diagram and their mechanical properties; Alloy steel and their applications; stress-strain diagram, Hooks law and modulus of elasticity, Tensile, shear, hardness and fatigue testing of materials.	6	4
V	Renewable Energy: New and Renewable sources of Energy such asSolar Energy and its Principle, Solar Collectors, Solar Ponds.Wind Energy, Tidal Energy, and Geothermal Energy.Introduction to electric Vehicles (EVs) and their Principle.	8	5

Total Hours	40	
Reference Books-		
 1. Nag PK, Tripathi et al.; Basic Mechanical Engineering; TMH 		

- 2. Pravin Kumar; Basic Mechanical Engineering; Pearson
- 3. Agrawal B & CM; Basic Mechanical Engineering, Wiley India
- 4. Rajput RK; Basic Mechanical Engineering; LP
- 5. Nag PK; Engineering Thermodynamics, TMH
- 6. Ganeshan; Combustion Engines; TMH
- 7. Narula; Material Science, TMH
- 8. Sawhney GS; Fundamental of Mechanical Engineering; PHI

Modes of Evaluation and Rubric

There will a continuous evaluation for during the semester for 40 sessional marks and 60 semesters— End examination marks. The practical marks is 50, out of which 30 marks shall be awarded for vivavoce and 20 marks for lab work. Out of 40 sessional marks, 20 shall be awarded for Mid-semester, 20 marks to be awarded for day-to-day performance and Quiz/Assignments.

For the 60 marks, there will be a semester – End examination as per norms of AICTE

List of experiments: (Total 10 Practicals)

- List of Suggested Core Experiments:
- 1. Study of Different Boilers and its working with Cut Section Models
- 2. Study of 4 stroke and 2 Stroke S.I. & C.I. Engine with cut section Models

Recommendation by Board of studies on	
Approval by Academic council on	
Compiled and designed by	
Subject handled by department	

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SAMRAT ASHOK TECHNOLOGICAL INSTITUTE (Engineering College), VIDISHA M.P. (An Autonomous Institute Affiliated to RGPV Bhopal) Computer Science and Engineering

the said shares				-			•		-		
Semester/Y	ear			Proc	Iram			B.Teo	ch.		
Subject Category	ESC	Subject Code:	IT	C101	Subj		Pyth		imming		
Maximum Marks Allotted											
Theory Practical Contact									act Ho	To To	
End Sem	Mid- Sem	Assign ment	Quiz	End Sem	Lab- Work	Quiz	Total Marks L T			Р	Credits
60	20	10	10	30	10	10	150	3	0	2	4
Prerequisite	es:										
• Hig	h School	Level Ma	themati	cs							
• Ele	mentary	Knowledg	e of Co	mputer							
Course Ob	ective:										
This cours	e introdu	uces core	e progi	ramming	g basic	s—incl	uding data t	ypes, d	contro	ol st	ructures,
							via the Pytho			ing la	inguage.
		es the fund	lamenta	al princi	ples of (Object-0	Oriented Prog	rammin	g.		
Course Out											
Upon comp											
		/ to install									
							it in the form	of algo	rithm		
							algorithm.				
							em solution.				
	-5: Unde	erstand Ot	oject Or				o python prog	rammin			
UNITs	Descriptions Hrs. CO's										
I	Introduction to computer science, algorithms, data representation in computers, hardware, software and operating system. Installation of python- interactive shell, IDLE, saving, editing, and running a script. The concepts of datatypes: variables, immutable variables, numerical types, operators, expressions, Indentation and comments in the program.							of t. al	8	CO1	
II Conditional Statements- Conditions, Boolean Logic, Logical operators and Ranges. Control Statements- Break, Continue and Pass. Flow Control-if, if-else, nested if-else, Loop statements- for loop, while loop, Nested loops.						N	8	CO2			
String: subscript operator, indexing, slicing a string; strings and number system: converting strings to numbers and vice versa. III Strings and text files, manipulating files and directories, os and sys modules, text files: reading/writing text and numbers from/to a file, creating and reading a formatted file (csv or tab-separated).							a. ′S Ə,	9	CO3		
IV	Lists, tuples, and dictionaries. Basic list operators, replacing, inserting, removing an element, searching and sorting lists, dictionary literals, adding and removing keys, accessing and replacing values, traversing dictionaries.								у s,	7	CO4
V Classes and OOP: Classes, objects, attributes and methods, defining classes, design with classes, Inheritance, Overloading, Overriding, and Data hiding. Exception: Exception Handling, except clause, Try finally clause, User Defined Exceptions.								д, У	8	CO5	
Guest Lect		יy)									
Total Hours								4	40		
List of Exp							1 41 14 1				
1 \//r	ite a nro	aram in r	wthon	to cher	k a nu	mher w	/hether it is n	rime o	r not		

- 1. Write a program in python to check a number whether it is prime or not.
- 2. Write a program to check a number whether it is palindrome or not.
- 3. Write a function to swap the values of two variables through a function.

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- 4. Write a python program to Read a file line by line and print it.
- 5. Write a program to display the number of lines in the file and size of a file in bytes.
- 6. Write a program to calculate the factorial of an integer using recursion.
- 7. Write a program to print Fibonacci series using recursion.
- 8. Write a program for binary search.
- 9. Python Program for Sum of squares of first n natural numbers.
- 10. Python Program to find sum of array.
- 11. Python program to read character by character from a file.
- 12. Python Program to print with your own font.
- 13. Python program to print even length words in a string.
- 14. Python program to check if a string is palindrome or not.
- 15. Program to print ASCII Value of a character.
- 16. Python program to find smallest and largest number in a list.
- 17. Python program to find the size of a Tuple.

Text Books-

- M. Mano, "Digital Logic and Computer Design", Pearson Education.
- T. L. Floyd, "Digital Fundamentals", Pearson Education.
- A. Anand Kumar, "Fundamentals of Digital Circuits", PHI.

Modes of Evaluation and Rubric

The evaluation modes consist of performance in Two mid-semester Tests, Quiz/ Assignments, term work, end-semester examinations, and end-semester practical examinations.

List/Links of e-learning resource

List and Links of e-learning resources:

- 4. https://nptel.ac.in/courses/108/105/108105132/
- 5. https://de-iitr.vlabs.ac.in/

5. https://do-htt.viabs.ac.in/	
Recommendation by Board of studies on	June-2022
Approval by Academic council on	June-2022
Compiled and designed by	CS & IT
Subject handled by department	CS & IT



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SAMRAT ASHOK TECHNOLOGICAL INSTITUTE (Engineering College), VIDISHA M.P. (An Autonomous Institute Affiliated to RGPV Bhopal)														
Mechanical Engineering														
Semester/	'ear			Progra			В.	Tech						
Subject Category	Subject ESC Subject Code:			L110	Subject Name:	Workshop Practice								
Maximum Marks Allotted Contact Hours														
	Theo	ry		Pr	actical		T			Total				
		(Quiz +	End	Lab-	Total				Credit				
End Sem	Mid-S	iem /	Assign	Sem	Work +	Marks	L	T	P	s				
			ment	Jein	Quiz									
-	-		-	30	10 +10	50	0	0	2	1				
Course Ob	jective:													
	nufactur	ing techr	•	-		able to anal	•							
At the end	of the o	course. t	the stud	ents will	able to:									
	 Learn how to make patterns, Moulding and Design of Pattern Acquire the Knowledge and application of forging, press working, and to evaluate the power 													
requiremen		Ū				C.				•				
3. Understa	Ind the \	Nelding I	Process,	Defects	in Welding a	nd their reme	dies.							
4. Learn ho	w to ma	ke Vario	us types	of Joints	such as Lap	o Joint, Butt Jo	oints et	c.						
5. Learn ab	out the <i>l</i>	Assembl	ing of Er	ngine and	its Compon	ent in Worksh	ор							
List of Exp	erimen	ts:												
1. To Prepa	are a T-	Half lap j	joint in c	arpentry s	shop.									
2. To Prep	are a Do	ovetail joi	int in car	pentry sh	op.									
-			-			rpentry shop.								
		-			l in black sn	hithy shop.								
•		-			ng Process.									
				Arc Weldi	ng Process.									
7. Demons			•											
8. To Fabri				-	-									
			0 1		n in Foundr	· ·								
	-		-	-	rn in Foundr	y Shop.								
11. To Prep			•	•										
12. Assemb	-	-	-	hine in Fi	tting Shop									
Modes of E						<u>(00 ;</u>			100.1					
There will a continuous evaluation for during the semester for 20 sessional marks and 30 Marks for														
End Tem Viva Examination. Out of 20 sessional marks, 10 shall be awarded for Quiz and														
Assignment, and 10 marks to be awarded for day-to-day performance in Workshop.														
Recommendation by Board of studies on														
Approval				Approval by Academic council on										
			ICII ON											
Approval by Compiled a Subject har	nd desi	gned by												

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AND TECHNOLOGICAL HAT				-	-		GICAL INS	-	E			
N. Contraction	(Engineering College), VIDISHA M.P. (An Autonomous Institute Affiliated to RGPV Bhopal)											
VIDISHA M.P.			Departr	nent of	Humani	ties a	nd Manag					
Semester/	/ear	II Year	F	Program				ech A				
Subject Category	MAC	Subject Code:	MAC102		Subject Name:		Profession		nics a	s and Social		
outogory		-	mum Marks A	llotted	Humo.				ontac	t		
		Theory Practical Hou									Total	
End Sem	Mid- Sem	Quiz	Assignment	End Sem	Lab- Work	Quiz	Marks	L	Т	Р	Credits	
00	00	00	00	30	10	10	50	0	0	2	Grade	
Prerequisit	es:											
To enable	the stude	ents to inst	ill moral, to cr	eate an	awarene	ess of	profession	nal eth	ics, h	uma	n values,	
loyalty and	social res	sponsibility	/.									
Course Ob	jective:											
At the end	of the cou	urse, the s	tudents will be	able to	:							
1. To	learn the	importanc	ce of values ar	nd ethics	s in perso	onal lit	fe and prof	ession	al ca	reers		
2. To	gain kno	wledge of	ethical behavi	or.								
3. То	acquire t	he basics	of social respo	onsibility								
Course Ou												
			lize the basic p	-								
2. To	apprecia	ate profes	sional rules a	ind cod	es of co	onduc	t in persoi	nal life	e and	l pro	fessional	
	reers.		. .									
		-	ce of values a		-						eer and	
	•		professional	etnics	in lile	throu	gn ration	ality,	cons	siste	ncy and	
	partiality			onoihilit								
5. To	Incuicate	the sense	e of social resp	onsidiin	.y.							
UNITs			D	escriptio	ns				H	lrs.	CO's	
	Principle	es of profe	essional ethics	: honest	ty, trustw	orthin	ess, loyalt	y, beir	ig 👘			
I	law-abio	ding, no	sinister mo	tives,	socially	resp	onsible, i	respec	zt,	8	1	
	account	ability and	fairness to al									
	Codes of conduct: public, clients, professional community, profession,									6	2	
II	workpla	ce rights a	ind responsibi	lities, otł	ner stake	eholde	ers.				2	
	Factors necessitating professional ethics: advisory responsibilities,											
111		tual duties	, ,							4	3	
	-		f ethical behav									
IV			npartiality, rati	-	consiste	ncy ar	nd reversib	ility		8	4	
I V		-	onal ethics in						_			
V	Corpora	te social	responsibility	: enviro	onmental	, phil	anthropic,	ethica	al,	9	5	

	and economic responsibility.										
Guest	Lectures (if any)		2								
Total H	lours		40								
Sugge	stive list of experiments:		1	1							
1.	N.A										
1.	Text Book- Professional ethics includes h	Human values, R. Subramanian	, Oxfo	rd higher							
	education.										
Refere	nce Books-										
2.	Professional Ethics and Social Responsib	ility, Daniel E. Wueste, Rowma	n and	Littlefield							
	Publication, INC										
3.	Professional ethics and human values, R. S.	Naagarazan, New age internatio	nal (P)	limited							
	,New Delhi,2006.										
4.	Human values and professional ethics, Jaysh	Human values and professional ethics, Jayshree Suresh, B. S. Raghvan, S. Chand									
5.	http://www.slideword.org/slidestag.aspx/hum	nan-values-and-Professional-ethic	s.								
Modes	of Evaluation and Rubric										
Questi	onnaire,Quiz,Presentation and standard proce	edure will be followed .									
List/Lin	iks of e-learning resource										
•	https://onlinecourses.nptel.ac.in										
•	<u>https://www.classcentral.com</u> (swayam)										
Recom	mendation by Board of studies on	26/02/2022									
Approv	al by Academic council on										
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