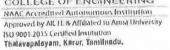


M.KUMARASAMY COLLEGE OF ENGINEERING NAAC According Autonomous Institution





Regul	ation 2018	Semester I&II	Total Hours Hours / Week				
~		. Addie Nation 1992					
Category	Course Code	Course Name	L L	Т	P	C	
М	18GNM101L	Physical and Mental Health using Yoga	0	0	2	0	

Prerequisite Course (s) Nil

Course Objective (s):

The purpose of learning this course is to:

CLR-1	provide deeper insight into the curriculum of Yogic Sciences along with the practical applications of Yoga
CLR-2	intend that students should get familiar with the poses of Yogasanam.
CLR-3	Promote positive health in the Student through Yoga and enabling and imparting skill in them to practice and apply Yogic
CLR-4	practice for Health to general public and teach Yoga for Total personality development and spiritual evolution.

Course Outcome (s) (Cos):

At the end of this course, learners will be able to:

	and the second of the second s
CO1	increase the muscle strength
CO2	improve respiration, energy and vitality.
CO3	maintain a balanced metabolism and weight reduction.
CO4	maintain cardio and circulatory health.
CO5	improve athletic performance and protection from injury.

CO-PO Mapping

COs		POs													PSOs		
	PO1	PO2	РО3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3		
CO1			*			1		*			(*):	2	*	-	-		
CO2			*			1	-		÷	-	-	2	H		*		
CO3	*	2	2	98.	-	I,	-	2	2	-	(a)	2	Ti u	-			
C04			-			1	7.FE		+	×	· *	2	4	-	•		
CO5		by .	-	150	¥ .	1	F.I	-	ħ.	-	*:	2		2			
CO (Avg)		•			*	ī				*		2					

1: Slight (Low)

2: Moderate (Medium)









Yea	Introduction:	6
	 Human Body- Meaning and its Importance in Yoga 	
	 Definition of Anatomy and Physiology 	
	Cell: Structure & Function	
	Yogic Practices.	24
	 Tissues: Types, Structure & Function. 	
	Musculo-Skeletal System	
	Digestive system	
	Excretory system	
	Respiratory system	
	Circulatory system	
	Nervous System	
	■ Endocrinal system	
Text/	Reference (s) books:	
1.	Shirley Telles - A Glimpse of the Human Body The structure anf Functions, Sv Vivekananda Yoga Prakashana, Bangalore.	vami
2.	Banarsidass, New Delhi, 2007	otilal
2	Anne Waugh, Allison Grant - Ross and Wilson Anatomy and Physiology in	
3.	Health & Illness, Churchill Livingstone; 2010	







Regula	ntion 2018	Semester III / Semester IV	To	15		
	Course		Hot			
Category	Code	Course Name	L	T	P	С
M	18LEM103T	INDIAN TRADITION AND HERITAGE	1	0	0	-
Prerequisit	e Course (s)					2.5
Nil		14				

Course Objective (s):

The purpose of learning this course is to:

- CLR-1 Make students understand the role and impact of culture in human life.

 CLR-2 Draw attention towards languages and literatures of ancient period.

 CLR-3 Cultivate secularism in students

 CLR-4 Equip students with the knowledge of Indian art and architectural evolution over years.
- Course Outcome (s) (Cos):

CLR-5

At the end of this course, learners will be able to:

Make students identify Indian culture in abroad

CONT. CO. T. C.	
CO1	Understand the meaning of culture, trace the influence and significance of geographical features on Indian culture.
CO2	Develop an awareness of the variety of languages and literatures in India
CO3	Recognise the characteristics of various religious movements in ancient India
CO4	Identify the characteristics and various styles of Indian architecture and sculpture at different times
CO5	Examine various modes through which Indian culture spread abroad

CO-PO Mapping

COs			PSOs											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	U. 	1	-	1.5	-	2	2	2	2	2	DIE.	2		
CO2	35		(-)	: = :	7-1	2	2	1-	_2	2	- 1	2	-	-
CO3		(4)	:=:	-	-	1	1	. 1	1	1	1	1	4	343
CO4	2	2	2	2	2	2	2	2	2	2	1	2	¥	-
CO5	-	· · ·		F#3	191	2	2	2	2	2	(2)	2	¥	
CO (Avg)	2	2	2	2	2	1.8	1.8	1.6	1.8	1.8	1	1.8	*	**

1: Slight (Low)

2: Moderate (Medium)







UNIT I	HISTORY OF INDIAN CULTURE	2
The materiaties of Ir	ndian Culture - Significance of Geography on Indian Culture -Society in India d - Varna and Jati, family and marriage in India - Position of women in ancie	through nt India-
Contemporary perio	d; Caste system and communalism.	Marie III. Sala
MADE II	LITERATURE AND EDUCATION	4
Evolution of script Literature: The ' Mahabharata&Pura	and languages in India: Harappan Script and Brahmi Script, Short History of the Vedas, The Brahmanas and Upanishads and Sutras, Epics: Ramay and History of Buddhist and Jain Literature in Pali, Prakrit and Sanskrit.	alla alla
Literature and Odia		4
UNIT III	RELIGION AND PHILOSOPHY	
Religion and Philo Indian Philosophy	esophy in India: Ancient Period: Pre-Vedic and Vedic Religion, Buddhism and Vedanta and Mimansa school of Philosophy.	yannsin,
LINET IV	ART AND ARCHITECTURE	2
D. Abbiet Archite	chitecture: Gandhara School and Mathura School of Art; Hindu Temple Arcture, Medieval Architecture and Colonial Architecture, Indian Painting Divisions of Indian classical music: Hindustani and Carnatic, Dances of Indian cinema.	Hadition
WDENERSON CO.	SPREAD OF INDIAN CULTURE ABROAD	3
UNIT V	nce and Modes of Cultural Exchange - Through Traders, Teachers, Emissaries, N	/lissionarie
causes, Signification and Gypsies, Indi	an Culture in South East Asia, India, Central Asia and Western World through ag	es.
Text Book (s)		No sol
Nil		
Reference (s)		
Chakravarti, Ran	abir: Merchants, Merchandise & Merchantmen, in: Prakash, Om (ed.): The	
	adir: Merchanis, McGhandise ee 775	1:
Trading World o	f the Indian Ocean, 1500-1800 (History of Science, Philosophy and Culturein Inc by D.P. Chattopadhyaya, vol. III, 7), Pearson, Delhi, 2012.	lian



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Regulation 2018			018			S	emest	er V/ V	7 I			Total	Hours		15
												Hours	/ Weel	ζ	
Categ	ory	Cou	rse C	ode			Course	e Nam	е		L		T	P	C
М		18LEM301T			(RT FO		s)	1		0	0	-
Prerequ	isite (Course	(s)												
NIL															
Course The pur	Object of the contract of the	ective of lear	(s):	his cou	arse is	to:							-		
CLR-1											netics se				
CLR-2	Imp	orove atrical	learne practi	rs' kno	wledg d socia	e on hi	istory o exts in	of theat both n	re and	drama and pre	and dra	w conne n period	ections l	oetween	<u> </u>
CLR-3												ce and			
CLR-4	con	nmuni	tv. cul	ture ar	nd soci	etv.						ng and i			
CLR-5	Ma arts		dents	to get i	familia	rized v	with the	e form	al, hist	orical, a	and theo	retical a	spects	of litera	ry
Course	Outo	come (s) (C(Os):											
A++ba			, ,	,.											
At the e	end of	this c	-4,-2788	124-12	rs will	be abl	e to:								
CO1	Ide	ntify a	ourse, aesthe	learne	its fou	nd thro	oughou	t India		A distribution					
CO1	Ide De dar	ntify a	ourse, nesther	learne tics tra	its four	nd thro	oughou social	and art	istic m		nts that l	have sha	aped the	eatre and	l
CO1	Ide De dar Rec	mtify a monst nce.	ourse, nesther rate un	learne tics tra ndersta	its four	nd thro	oughou social lved in	and art	istic m	ance.					
CO1	Ide De dar Rec Ide	ntify a monst nce. cogniz	ourse, nesther rate un te diffe	learne tics tra ndersta erent c preciat	its four	nd thro	oughou social lved in	and art	istic m	ance.		have sha			
CO1 CO2 CO3	Ide De dar Rec Ide Pai	monst monst nce. cogniz ntify a nting a	ourse, aesther rate un ce diffe and ap at diffe rate a	learne tics tra ndersta erent c preciat erent ti broad	its four anding oncept te the s imes. unders	nd thro of the s invol alient tanding	oughou social lved in feature	musices and with the dian literal	and darious	ance.	of India		tecture,	Sculptu	re and
CO1 CO2 CO3 CO4	Ide De dar Rec Ide Pai	monst monst nce. cogniz ntify a nting a	ourse, aesther rate un ce diffe and ap at diffe rate a	learne tics tra ndersta erent c preciat erent ti broad	its four anding oncept te the s imes. unders	nd thro of the s invol alient tanding	oughou social lved in feature g of In	musices and with the dian literal	and dayarious erary a	ance. s styles	of India	n Archi	tecture,	Sculptu	re and
CO1 CO2 CO3 CO4 CO5	Ide De dar Rec Ide Pai	monst monst nce. cogniz ntify a nting a	ourse, aesther rate un ce diffe and ap at diffe rate a	learne tics tra ndersta erent c preciat erent ti broad	its four anding oncept te the s imes. unders	nd thro of the s invol alient tanding	oughou social lved in feature g of In	musices and vidian literation of	and dayarious erary a	ance. s styles	of India	n Archi	tecture,	Sculptu	re and
CO1 CO2 CO3	Ide De dar Rec Ide Pai	monst monst nce. cogniz ntify a nting a	ourse, aesther rate un ce diffe and ap at diffe rate a	learne tics tra ndersta erent c preciat erent ti broad	its four anding oncept te the s imes. unders	nd thro of the s invol alient tanding	oughou social lved in feature g of In terpret	musices and vidian literation of Map	and divarious errary of literapping	ance. s styles	of India	n Archi	tecture,	Sculptu t histori	cal
CO1 CO2 CO3 CO4 CO5 COs COs	Ide De dar Rec Ide Pai De cor	ntify a monst nce. cogniz ntify a nting a monst ntext p	ourse, nesther rate un te differend ap at differente a lays ir	learne tics tra ndersta erent c preciate erent ti broad n the cr	oncept te the s imes. unders reation	nd throof the s involutional interest and in PO6	oughous social lived in feature g of Interpret CO-P POs PO7	musices and vidian literation of Map	and divarious serary and filter poping	ance. s styles arts ancary wor	of India l apprecks PO 11	n Archiviate the	role tha	Sculptu t histori PSOs PSO2	cal
CO1 CO2 CO3 CO4 CO5 COs CO1 CO2	Ide De dar Rec Ide Pai De cor	ntify a monst nce. cognize ntify a nting a monst ntext p	ourse, aesther rate un re diffe and ap at diffe rate a lays ir	learne tics trandersta erent copreciate erent tibroad in the cr	oncept te the simes. unders'reation PO5	nd throof the s involutional in	oughous social lived in feature g of Interpret CO-PPOs PO7	musices and vidian literation of PO Map PO8 2 2	and divarious serary a print of literary print of literary a print	ance. s styles arts ancary wor PO10 2 1	of India l apprecks PO 11	PO12	role tha	Sculptu t histori PSOs PSO2	re an cal
CO1 CO2 CO3 CO4 CO5 COs CO1 CO2 CO2 CO3	Ide De dar Rec Ide Pai De cor	ntify a monst nce. cogniz ntify a nting a monst ntext p	esther rate under different a lays in	learne tics trandersta erent copreciate erent tibroad in the co	oncept te the simes. unders reation	nd throof the s involutional in	oughous social lived in feature g of Interprete CO-P POs PO7 1 1 1 1	musices and vidian littation of PO Map POS 2 2 2	and dayarious serary a print of literary a pri	PO10 2 1	of India	PO12 2 2 2 2	PSO1	Sculptu t histori PSOs PSO2	PSO
CO1 CO2 CO3 CO4 CO5	Ide De dar Rec Ide Pai De cor	ntify a monst nce. cognize ntify a nting a monst ntext p	ourse, aesther rate un re diffe and ap at diffe rate a lays ir	learne tics trandersta erent copreciate erent tibroad in the cr	oncept te the simes. unders'reation PO5	nd throof the s involutional in	oughous social lived in feature g of Interpret CO-PPOs PO7	musices and vidian literation of PO Map PO8 2 2	and divarious serary a print of literary print of literary a print	ance. s styles arts ancary wor PO10 2 1	of India l apprecks PO 11	PO12	role tha	Sculptu t histori PSOs PSO2	re and cal

2: Moderate (Medium)



1: Slight (Low)





ι	INIT I	INDIAN ARTS	3				
		t (aesthetics, taste)- fine arts - applied arts - Terminology - Subject matte poses/uses of art.	er -Art as				
U	NIT II	THEATRE & DRAMA	3				
Histo Puppe	ry of Theatre etry –differe	e and Drama- Traditional Theatre forms- Modern Theatre and its character forms and elements of drama.	eteristics-				
U	NIT III	MUSIC AND DANCES					
		and Dance- Classical music and Carnatic Music- Regional Music onal Classical Dances.	-Musical				
U	NIT IV	ARCHITECTURE, SCULPTURE, PAINTING	3				
Histo differ	ry of archi ent types of	tecture, sculpture, painting -Indo-Islamic Architecture- Temple Arch Sculptures and its characteristics-Painting and its different styles.	itecture-				
τ	NIT V	LITERARY ARTS	3				
Ancie Litera	ent Indian ature-Conten	Literature- Early Dravidian Literature- Medieval Literature- Modern nporary Literature.	n Indian				
Text	Book (s)						
	NIL						
Refer	rence (s)						
1		ll Pandya, ed., 2011, Indian Art History Changing Perspectives, New Ded and National Museum Institute (Introduction).	lhi: D.K.				
2	Guha-Thal in Bengal,	kurta, Tapati, The making of a new modern Indian art: Aesthetics and nat 1850-1920, Cambridge University Press, 1992	ionalism				
3	Huntingtor	n, Susan, The Art of Ancient India: Hindu, Buddhist, Jain, Weatherhill, 19	985				
4	Mitter, Par	tha, Indian Art, Oxford History of Art series, Oxford University Press, 20	01				







1	Regul	ation 2019	Semester 1	11.20 Contract	otal Ho	Acres de la constante de la co	30
Categ	ory	Course Code	Course Name	H.	ours / W	P	c
M		19PATM101	Research Methodology and IPR	2	0	0	2
G1700 - 27 10	PATE STATE	Course (s)	Rescaled Media				
Parties.			And the second second second second	A Marie		and the second	3/25/38
Vil	77.00	THE CHARLES			3, 4	5 / B	
Cours	e Obj	ective (s):		gri Maria	4 20 20		
The pu	irpose	of learning this c	ourse is to:				20 Th
1	Unde	erstand and analys	e the fundamental of research problem				
2		erstand the Resear					
3			s world is controlled by Computer, Informeruled by ideas, concept, and creativity	mation T	echnolo	gy, but	
4		erstand Intellectua					
5		erstand Patents Ri					
		tcome (s) (COs): of this course, lear	ners will be able to:				
COI	Und	erstand research p	roblem formulation				
CO2	Ana	lyze research relat	ted information				
CO3		ow research ethics			21 11	1	
CO4	natio	on, it is needless to romoted among st	nen IPR would take such important place in the open phase of emphases the need of information about the trudents in general & engineering in particular.	Intellect ılar	ual Prop	erty Rig	ht to
COS	and	investment in R &	protection provides an incentive to inventor D, which leads to creation of new and be	rs for fu	rther resolucts, an	earch wo	rk
	brin	gs about, economi	ic growth and social benefits			94 -	10 TO 10
The second second	UNIT					265	6
Mean	ning of rch pro	research problem oblem-Errors in s	 Sources of research problem-Criteria Chelecting a research problem- Scope and objections 	aracteris ojectives	of resea	good rch prob	lem.
ı	UNIT	I ANALYS	S OF REARCH				6**
interp	oretatio		of solutions for research problem- data co instrumentations Effective literature s				alysis
E	NIT I	II RESEACI	RH PRPOSAL AND TECHNICAL WRITE	NG :			6
		•	now to write report-Paper Developing a Retion and assessment by a review committee		Proposal	- Forma	t of
	No. Septiment	CONTRACTOR DESCRIPTION		The same			3,75
-	INIT	The same of the sa	CTUAL PROPERTY	The same of			0
Natu	re of h	ntellectual Propert	y: Patents –Designs - Trade and Copyrigh	it- Proce	ANY COLO	ENLINE &	Nes.
			Curriculum and Sylla	abus 220	Board of	ition p	ence Or
				1	* KAR	UR - 639 1	13





Development: technological research- innovation- patenting- And development. International

Scen	ario: International cooperation on Intellectual Property- Procedure for grants of patents-
	nting under PCT.
9-1	UNIT V PATENTS RIGHTS
Pater	nt Rights: Scope of Patent Rights- Licensing and transfer of technology -Patent information and bases- Geographical Indications.
CF PL	Book (s)
1	Stuart Melville and Wayne Goddard, "Research methodology: an introduction for science & engineering students".
2	Halbert, "Resisting Intellectual Property", Taylor & Francis Ltd ,2007
Refe	rence (s)
1	Ranjit Kumar, 2 nd Edition, "Research Methodology: A Step by Step Guide for beginners"
2	T. Ramappa, "Intellectual Property Rights Under WTO", S. Chand, 2008
3	Robert P. Merges, Peter S. Menell, Mark A. Lemley, "Intellectual Property in New Technological Age", 2016.
4	Wayne Goddard and Stuart Melville, "Research Methodology: An Introduction"



Department	MECHANICAL ENG	Semester			Ιί				
Course Code	Course Name	Hours / Week			Total Hour	Credi t	Maximum Marks		
Course Code	Course Name	L	Т	P	s	C	C A	E S	Tota I
19PMEE010T	NON-DESTRUCTIVE EVALUATION	3	0	0	45	3	50	50	100

Course Objective (s):

To introduce all types of NDT and their applications in Engineering.

Course Outcomes:

To stress the importance of NDT in engineering

NON-DESTRUCTIVE TESTING AND PRODUCTION, VISUAL INSPECTION Unit I & LIQUID PENETRANT TESTING.

Introduction to various non-destructive methods, Comparison of Destructive and Non destructive Tests, Visual Inspection, Optical aids used for visual inspection, Applications. Physical principles procedure for penetrant testing, Penetrant testing materials, Penetrant testing methods-water washable, Post – Emulsification methods, Applications

EDDY CURRENT TESTING & ACOUSTIC EMISSION Unit II

Principles, Instrumentation for ECT, Absolute, differential probes, Techniques - High sensitivity

techniques, Multi frequency, Phased array ECT, Applications. Principle of AET, Instrumentation, Applications - testing of metal pressure vessels, Fatigue crack detection in aerospace structures

MAGNETIC PARTICLE TESTING & THERMOGRAPHY Unit III

Principle of MPT, procedure used for testing a component, Equipment used for MPT, Magnetizing techniques, Applications.

Principle of Thermography, Infrared Radiometry, Active thermography measurements, Applications – Imaging entrapped water under an epoxy coating, Detection of carbon fiber contaminants.

Unit IV **ULTRASONIC TESTING**

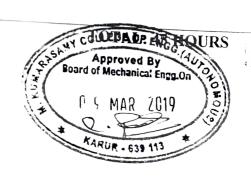
9

Principle, Ultrasonic transducers, Ultrasonic Flaw detection Equipment, Modes of display A- scan, B-Scan, C- Scan, Applications, Inspection Methods- Normal Incident Pulse-Echo Inspection, Normal Incident Through-transmission Testing, Angle Beam Pulse-Echo testing, TOFD Technique, Applications of Normal Beam Inspection in detecting fatigue cracks, Inclusions, Slag, Porosity and Intergranular cracks - Codes, standards, specification and procedures and case studies in ultrasonics test.

Unit V RADIOGRAPHY

Principle of Radiography, x-ray-and gamma ray sources- safety procedures and standards, Effect of radiation on Film, Radiographic imaging, Inspection Techniques - Single wall single image, Double wall Penetration, Multiwall Penetration technique, Real Time Radiography - Codes, standards, specification and procedures and case studies in Radiography test.

Case studies on defects in cast, rolled, extruded, welded and heat treated components - Comparison and selection of various NDT techniques



REFERENCES:

- 1. Baldev Raj, Jeyakumar, T., Thavasimuthu, M., -Practical Non Destructive Testingl Narosa publishing house, New Delhi, 2002
- 2. Peter J. Shull -Non Destructive Evaluation: Theory, Techniques and Application! Marcel ekker,
- Inc., New York, 2002 Krautkramer. J., -Ultra Sonic Testing of Materialsl, 1St Edition, Springer Verlag Publication, New York, 1996. www.ndt.net



Reg	ulatio	on 2018		Semester II					otal Ho	60			
Category	, (Course Code PBA18206		(Н	ours / W							
Category				Course Name					L T P			C	
С	P			RESEAR IETHO			3	1	0				
Course O	bject	tive (s): T	he pur	pose of l	earning	this cour	se is to:			ROLL B		41 B	
1	Pr	ovide insi	ght on	basic of	researcl	h method	dologies						
			_	insights on different scales and measurements									
3		Create awareness on various research approaches and data collections											
4		Apply specific statistical techniques using SPSS to draw inferences for decision making											
5	Pr	esent the	results	of the re	esearch i	n approp	oriate wa	ıy	- 1 - 1 - 1	+12 - 12	Aug 1 to 1	0.0%	
Course O	utco	me (s) (C	Os): A	t the end	of this	course, l	earners v	will be al	ble to:				
CO1	A	ware of the	e vario	us eleme	ents of re	esearch a	and its a	pplicatio	ns in bu	siness		183	
CO2		late the d									KINK T		
CO3		amine the							ng techn	iques			
CO4	As	sess the d	ata thr	ough hy	pothesis	formula	tion and	statistic	al techni	ques			
CO5	Ge	enerate eff	ective	research	report		6	e 31	XIII-I				
CO-PO M	lapp	ing				(Bale)			And Maller	. 113		uks, W	
		Pos								PSOs			
cos	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO 1	PSO 2	
CO1	1	1.	3	1	3	1	1	1-1-	2	1	3	3	
CO2	į	1	2	1	2	1	-17	1 5	1	1 *	3	2	
CO3	1	1	3	2	3	2	1	1	2	1	3	2	
CO4	1	į Mpta.	2	2	2	2	1	-1mm	19	(h	3	2	
CO5	1	1	2	1.0	2	1	1-1	1	10	1	3	2	
CO (Avg)	1	1	2.4	1.4	2,4	1.4		1,	1.4	1	3	2.2	

1: Slight (Low)

 \bigcirc

2: Moderate (Medium)



UNIT I INTRODUCTION

12

Business Research – Definition and Significance – The Research Process – Types of Research – Exploratory and Causal Research – Theoretical and Empirical Research – Cross –Sectional and Time – Series Research – Research Questions / Problems – Research Objectives – Research Hypotheses – Characteristics – Research in an Evolutionary Perspective – The Role of Theory in Research

UNIT II RESEARCH DESIGN AND MEASUREMENT

12

Research Design – Definition – Types of Research Design – Exploratory and Causal Research Design – Descriptive and Experimental Design – Different Types of Experimental Design – Validity of Findings – Internal and External Validity – Variables in Research – Measurement and Scaling – Different Scales – Construction of Instrument – Validity and Reliability of Instrument

UNIT III DATA COLLECTION

12

Types of Data – Primary vs Secondary Data – Methods of Primary Data Collection – Survey vs Observation – Experiments – Construction of Questionnaire and Instrument – Validation of Questionnaire – Sampling Plan – Sample Size – Determinants Optimal Sample Size – Sampling Techniques – Probability vs Non–Probability Sampling Methods

UNIT IV DATA PREPARATION AND ANALYSIS

12

Data Preparation – Editing – Coding –Data Entry – Validity of Data – Qualitative vs Quantitative Data Analyses – Bivariate and Multivariate Statistical Techniques – Factor Analysis – Discriminant Analysis – Cluster Analysis – Multiple Regression and Correlation – Multidimensional Scaling – Conjoint Analysis - Application of Statistical Software for Data Analysis

UNIT V REPORT DESIGN, WRITING AND ETHICS IN BUSINESS RESEARCH 12

Research Report – Different Types – Contents of Report – Need of Executive Summary – Chapterization – Contents of Chapter – Report Writing – The Role of Audience – Readability – Comprehension – Tone – Final Proof – Report Format – Title of the Report – Ethics in Research – Ethical Behaviour of Research – Subjectivity and Objectivity in Research.

Text Book (s)

1. Uma Sekaran and Roger Bougie, Research methods for Business, 5th Edition, Wiley India, New Delhi, 2012.

Reference (s)

- 1. Donald R. Cooper, Pamela S. Schindler and J K Sharma, Business Research methods, 11th Edition, Tata Mc Graw Hill, New Delhi, 2012.
- 2. Alan Bryman and Emma Bell, Business Research methods, 3rd Edition, Oxford University Press, New Delhi, 2011.
- 3. William G Zikmund, Barry J Babin, Jon C.Carr, Atanu Adhikari, Mitch Griffin, Business Research methods, A South Asian Perspective, 8th Edition, Cengage Learning, New Delhi, 2012.



