	(W	ith e	ffect f	Engin from A	Acad	emic	Year	atter	n l-22)							
	SEMESTER: V															
Course Code	Course Name	S	eachin chem urs/W	e	Exa Mar		tion S	Scheme and Credit								
		Theory	Practical	Tutorial	IN-Sem	End-Sem	TW	PR	OR	Total	TH	ML	PR	OR	TUT	Total
301001	Hydrology and Water Resources Engineering	03			30	70				100	03					03
301002	Water Supply Engineering	03			30	70				100	03					03
301003	Design of Steel Structures	03			30	70				100	03					03
301004	Engineering Economics and Financial Management	03			-30	70				100	03					03
301005	Elective 1	03			30	70				100	03					03
301006	Seminar			01		-	50			50	,				01	01
301007	Hydrology and Water Resources Engineering Lab		02				25			25		01				01
301008	Water Supply Engineering Lab		02					50		50			01			01
301009	Design of Steel Structures Lab		04						50	50	"			02		02
301010	Elective I Lab		02				25			25		01				01
301011	Audit Course I: Professional Ethics and Etiquettes/ Sustainable Energy Systems			01		GR				GR						
	Total	15	10	02	150	350	100	50	50	700	15	02	01	02	01	2

### Elective I: 301005

SN	Course Code	Course Name
01	301005 a	Advanced Fluid Mechanics and Hydraulic Machines
02	301005 b	Research Methodology and IPR
03	301005 c	Construction Management
04	301005 d	Advanced Concrete Technology
05	301005 e	Matrix Methods of Structural Analysis
06	301005 f	Advanced Mechanics of Structures

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/		Te	n al :		SI	EME	STEI	R-V]	[						_			
Code C	Course Name	Teaching Scheme (Hours/Week)			Examination Scheme and Marks							Credit						
		Theory	Practical	Tutorial	IN-Sem	End-Sem	TW	PR	OR	Total	ΗT	ML	PR	OR	TUT	Total		
01012	Waste Water Engineering	03			30	70				100	03	_				03		
01013	Design of RC Structures	03			30	70				100	03					03		
01014	Remote Sensing and GIS	03			30	70				100	03					03		
01015	Elective II	03			30	70				100	03					03		
01016	Internship						100			100		04				04		
01017	Waste Water Engineering Lab		02						50	50				01		01		
01018	Design of RC Structures Lab		04						50	50				02		02		
01019	Remote Sensing and GIS Lab	man	02			'	50	-		50		01				01		
301020	Elective II Lab of a telepuid		02	1440			50			50		01				. 01		
301020	Audit Course II: Leadership	atie	goin Hieti		100	GR	-			GR								
0	Industrial Safety Total			01	120	280	200	-	100	700	12	06		03		2		

Abbreviations: TH : Theory, aresolity A GUSAL

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Ivan do Foceder	Elective II: 301015
Todevelopourtaios	Course Name
Course Code	Advanced Engineering Geology with Rock Mechanics
301015 a	Soft Computing Techniques
301015 b	Advanced Surveying
301015 c	Advanced Geotechnical Engineering
301015 d	Architecture and Town Planning
301015 e 301015 f	Solid Waste Management

## Semester I

Elective-I 401 004	Elective-II 401 005
1. Structural Design of Bridges	1. Matrix Methods of Structural Analysis
	2. Integrated Water Resources Planning and Manageme
	3. TQM & MIS in Civil Engineering
	4. Earthquake Engineering
5. Advanced Engineering Geology with Rock	5. Advanced Geotechnical Engineering
Mechanics	

### Semester-II

C

Sco

Elective-III 401 009	Elective-IV 401 010
1. Advanced Structural Design	1. Construction Management
2. Statistical Analysis and Computational	2. Advanced Transportation Engineering
Methods in Civil Engineering	3. Advanced foundation Engineering.
3. Hydropower Engineering	4. Coastal Engineering
4. Air Pollution and control	5. Open Elective
5. Finite Element Method in Civil Engineering	a) Plumbing Engineering
6. Airport and Bridge Engineering	b) Green Building Technology
	c) Ferrocement Technology
	d) Sub sea Engineering
	e) Geoinformatics
	d) Sub sea Engineering

Savitribat Phale Pune University

**Faculty of Engineering** 

### Savitribai Phule Pune University Fourth Year of Computer Engineering (2015 Course) (with effect from 2018-19)

			Ser	neste	<u>r I</u>									
Course Code	Course		ig Scheme / Week	Ex	Examination Scheme and Marks									
		Theory	Practical	Iu- Sem	End- Sem	TW	PR	OR/ *PRE	Total	TH/ TUT	PR			
410241	High Performance Computing	04	-	30	70			-	100	04				
410242	Artificial Intelligence and Robotics	03	-	30	70	-	-	-	100	03				
410243	Data Analytics	03		30	70	-			100	03				
410244	Elective I	03		30	70				100	03				
410245	Elective II	03	-	30	70				100	03				
410246	Laboratory Practice I		04	-		50	50	-	100	-	02			
410247	Laboratory Practice II	-	04	-		50	-	*50	100		02			
410248	Project Work Stage I	-	02					*50	50		02			
					-			Total	Credit	16	06			
	Total	16	10	150	350	100	50	100	750	2:	2			
410249	Audit Course 5					-				Gra	ıde			
	Elective	t					Ele	ctive II						
10244 (	A) Digital Signal Pro	cessing		410	245 (A)	Distrib	uted S	Systems						
10244 (	B) Software Architec	ture and	Design	410	245 (B)	Softwa	re Te	sting and	l Qualit	y Assur	ance			
	C) Pervasive and Ub	and the second s	and the second division of the second divisio	4102	245 (C)	Operat	ions F	Research	-					
10244 (	D) Data Mining and	Warehous	sing	410	245 (D)	Mobile	Com	municat	tion					

#### 410249-Audit Course 5 (AC5) Options:

AC5-I	Entrepreneurship Development	AC5-IV:	Industrial Safety and Environment Consciousness
AC5-II:	Botnet of Things	AC5-V:	Emotional Intelligence
AC5-III:	3D Printing	AC5-VI:	MOOC- Learn New Skills

#### Abbreviations:

TW: Term Work

TH: Theory

OR: Oral

PR: Practical

Sem: Semester PRE: Project/Mini-Project Presentation PRINCIPAL Syllabus for Fourth Year on Sean Callege of Engg Genba Sopantao Mean Callege Callege of Engg 25/1/3, Eslewadi, Pune - 411 045/102

Head of Department COMPUTER ENCO Computer ENCO Computer Moze C South State Sta



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Faculty of Engineering

	Fourth Year	of Co	bai Phu mputer effect f	Engi	neerir	ng (20	-	Cours	se)								
			Seme	ster	I												
Course Code	Course	Sel	ching heme s / Week	E	xaminat	ion Scl	heme	and M	arks	Cro	dit						
	10750 Machine Lean		Practical	In- Sem	End- Sem	TW	PR	OR/ *PRE	Total	TH/ TUT	PR						
410250	Machine Learning	03		30	70				100	03	-						
410251	Information and Cyber Security	03		30	70		-	-	100	03	-						
410252		03		30	70				100	03							
	Elective IV	03		30	70				100	03	-						
	Laboratory Practice III		04			50	50		100		02						
and the second se	Laboratory Practice IV	-	04			50	-	*50	100		02						
410256	Project Work Stage II		06			100	-	*50	150		06						
									Credit	12	10						
	Total	12	14	120	280	200	50	100	750	22							
102 57	Audit Course 6									Gra	de						
	Elective	ш					E	lective	IV		_						
410252	(A) Advanced Digital Si	gnal Proc	essing		410253	(A) S	oftwar	e Defin	ed Netw	orks	-						
410252	(B) Compilers		410253	(B) <u>H</u>	uman	Compu	ter Interf	ace	-								
410252	(C) Embedded and Real	Time Op	erating Sys	stem	410253	(C) <u>C</u>	loud (	Computi	ng	-	-						
410252	(D) Soft Computing and	Optimiza	tion Algor	ithms	410253	(D) Q	pen E	lective	ective								

#### 410259-Audit Course 6 (AC6) Options:

AC6-1: **Business Intelligence** AC6-II: Gamification AC6-III: Quantum Computing

AC6-IV: Usability Engineering AC6-V: Conversational Interfaces AC6-VI: MOOC- Learn New Skills

#### Abbreviations:

TW: Term Work

OR: Oral TH: Theory

PR: Practical

Sem: Semester

PRE: Project/ Mini-Project Presentation

4 PRINCIPAL

Syllabus for Fourth Year of Computer Engineering 25/1/3, Balewadi, Pune - 411 045

#5/87



Curriculum for Fuiru Fear of Computer Engineering (2019 Course), Savirriour Fuine Fune Conversion

### Savitribai Phule Pune University Third Year of Computer Engineering (2019 Course) (With effect from Academic Year 2021-22)

				Ser	nester	٠V											
Course Code	Course Name	Sci (H	heme ours/ ceek)		Examination Scheme and Marks								Credit Scheme				
		Lecture	Practical	Tutorial	Mid-Sem	End-Sem	Term work	Practical	Oral	Total	Lecture	Practical	Tutorial	Total			
310241	Database Management Systems	03	-	-	30	70	•	-	-	100	03	-	-	03			
310242	Theory of Computation	03	-		30	70	-	•	-	100	03	-	-	03			
310243	Systems Programming and Operating System	03	÷	ų.	30	70	-	-	-	100	03	-	-	03			
310244	Computer Networks and Security	03	•	-	30	70	•	•	•	100	03	-	-	03			
310245	Elective I	03	-	-	30	70		-	•	100	03	-	-	03			
310246	Database Management Systems Laboratory		04	1	•	•	25	25	-	50	-	02	-	02			
310247	Computer Networks and Security Laboratory	-	02	-	-	•	25	-	25	50		01	•	01			
310248	Laboratory Practice I	-	04	•	-	-	25	25	-	50		02		02			
310249	Seminar and Technical Communication	-	01	•	•		50	-	-	50		01	-	01			
	Total	15	11	-	150	350	125	50	25	700	15	06	-	21			
310250	Audit Course 5					÷						_	Gra	ade			
1								_	<b>Fotal</b>	Credit	15	06	•	21			
Electiv	ve I <u>Internet of Things and Em</u> <u>Human Computer Interfac</u> <u>Distributed Systems</u> <u>Software Project Manager</u> ratory Practice I	e	ed Sy	stem		:	Cyber Profess	Secur sional 2- Lea	Ethic rn Ne Econ			tes					

Assignments from Systems Programming and Operating System and Elective I

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Genba Sopanrao Moze College of Engg 25/1/3, Balewadi, Pune - 411 045

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			encer			ter VI	Year 2	021-2.	()	-	-	-		_
Course Code	Course Name	1-1	'eachi Scher (Hour week	ing ne rs/		Examin	Credit Scheme							
		Lecture	Practical	Tutorial	Mid-Sem	End-Sem	Term	Practical	Oral	Total	Lecture	Practical	Tutorial	Total
310251	Data Science and Big Data Analytics	03	-	-	30	70	-	-	-	100	03	-	-	03
310252	Web Technology	03	-	-	30	70				100	03	-	-	03
310253	Artificial Intelligence	03	-	μ.	30	70	-			100	03		-	03
310254	Elective II	03	•	-	30	70	-		-	100	03		-	03
310255	Internship**	-	**	-	-	-	100	÷	-	100		04	-	04
310256	Data Science and Big Data Analytics Laboratory	•	04	•	•	-	50	25		75		02		02
310257	Web Technology Laboratory		02	-	÷	-	25		25	50	-	01	-	01
310258	Laboratory Practice II	-	04	-	-	-	50	25		75		02		02
		-				-			-	Total	12	09	-	21
	Total	12	10	-	120	280	225	50	25	700	12	05	-	21
10259	Audit Course 6												Gra	de
	I formation Security ugmented and Virtual Real oud Computing oftware Modeling and Arch		ures		A	<ul> <li>Di</li> <li>Su</li> <li>Le</li> <li>Fo</li> </ul>	gital an stainab adershi reign L OOC- I	le Ene p and angua	ergy S Perso ige	ystems onality			ient	
	y Practice II: its from Artificial Intellig	ence	and I	Electi	ve II.					en illa		-	-	1

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Genba Sopanno Moze College of Engg 25/1/3, Eclewadi, Pune - 411 045

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	T.E. (Electronics& (With	Telec	com t fro	m Ad	nica	tion l mic Y		iceri	ng)	2019	Cour	se					
Course			ichii hem	e	E		nation Ma		me a	ind	Credit						
Code	Course Name	Theory	Practical	Tutorial	In-Sem	End-Sem	WL	PR	au	Total	HT	PR	TUT	Total			
304181	Digital Communication	03	-		30	70				100	0.3			03			
304182	Electromagnetic Field Theory	03	•	01	30	70	25	•	+	125	03	•	01	04			
304183	Database Management	03	-	-	30	70			-	100	03	-	-	0			
304184	Microcontrollers	03			30	70	-		-	100	03	-		0			
304185	Elective - I	03			30	70				100	03	-	-	0.			
304186	Digital Communication	•	02	-	-	+	-	50	•	50		01	•	0			
304187	Database Management Lab	-	02	-	-	-	+	•	25	25	-	01	•	0			
304188	Microcontroller Lab		02	•	+	-	-	50	-	50		01		0			
304189	Elective I Lab		02	-	-	•	4	25	-	25		01	•	0			
304190	Skill Development	4	02		-		25		-	25		01		0			
04191A	Mandatory Audit Course 5.4	*	•	•	•	•	•	•	•	·		-	•				
	Total	15	10	01	150	350	50	125	25	700		_		,			
			-	-	-	T	otal C	redit	_	-	15	05	01	21			

PUNE-45

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### Elective -I

- 1) Digital Signal Processing
- 2) Electronic Measurements
- 3) Fundamentals of JAVA Programming COLLEGE O
- 4) Computer Networks V

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		fect	omm from	unic Acad	ation emic	Eng	gined 2021	-22)	2019	Cour	se				
Semester-VI Teaching Examination Scheme and									_						
Course				Sch	ching eme /Wee		Exan		ion Se Mark		and		Cr	edit	
	Code	Course Name	Theory	Practical	Tutorial	In-Sem	End-Sem	TW	PR	OR	Total	ΗL	PR	TUT	
	304192	Service Freetreins	03	-	-	30	70	1.		1.	100	03		-	0
į	304193	Project Management	03		-	30	70	-			100	03	-	-	0
ļ	304194	Power Devices & Circuits	03	-		30	70	1.	-		100	03		-	0
L	304195	Elective-II	03	-		30	70	1.	•	-	100	03	-		0
Ļ	304196	Cellular Networks Lab	-	02	-				-	50	50		01	-	0
	304197	Power Devices & Circuits Lab		02		-		•	50	•	50		01		0
	304198	Elective-II Lab	•	02	-	-		-	25	-	25		01	-	0
		Internship**	-			-		100			100	-	-	04	0
-		Mini Project	•	04		~		25	•	50	75	-	02	-	0
-	14191 B	Mandatory Audit Course 6 4 Total	- 12	- 10	- 00	. 120	- 280	- 125						-	
		1010		10	00	120			75	100	700		_		
	1		-	-	-	-	10	tale	redi	1		12	05	04	2
	breviation Sem: In se	mester End-Sem:							heory utoria	t		W : Ter			
R	Sem: In se Practical e: Studen	ts of T.E. (Electronics & Telecudit courses prescribed by Bo	omm S (El	unica	rtions nics ð	) have	comm	ot au; iunic	one	of the : s Engi	audit o	course f	rom t	he	
R	Sem: In se : Practical te: Studen list of a	OR: Oral ts of T.E. (Electronics & Telec	omm S (El	unici	rtions nics ð	) have	c to of	ot aug	ation	of the s	audit o	course f g)	rom t	he	
R	Sem: In se Practical te: Studen list of a Elec	OR: Oral ts of T.E. (Electronics & Telec udit courses prescribed by Bo	S (El	unic	nics ð	) have	e to of	ot au; iunic	y one (	of the : s Engi	audit o	course f g)	rom t	he	
R	Sem: In se Practical te: Studen list of a Elec	OR: Oral ts of T.E. (Electronics & Telec udit courses prescribed by Bo ctive -II	S (El	unica	nics ð	) have	e to op	ot au; sunic	ation	of the : s Engi	audit o	g)	rom t	he	
R	Sem: In se Practical te: Studen list of a Elec	OR: Oral ts of T.E. (Electronics & Telec udit courses prescribed by Bo ctive -II 1) Digital Image Processing 2) Sensors in Automation	S (El	ectro	nics ð	a Tele	comm	ot au; iunic	ation	of the : s Engi	audit a neerin	g)		he	
R	Sem: In se Practical te: Studen list of a Electron 3	OR: Oral ts of T.E. (Electronics & Telec udit courses prescribed by Bo ctive -II 1) Digital Image Processing	S (El	ectro	nics &	ZEG	comm	unic	ation	s Engli	neerin	per une nunicatio - College - 411 0	in English		

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### Savitribai PhulePune University Final Year E&TC Engineering (2015 Course) (With effect from Academic Year 2018-19)

						Sem	este	rI						
Cours	1 474 MAR 1990 - 00		eachin Hours			Se	mes	ter l		nina Iark		cheme of		redits
Code	e l		eor 7	Tut	Pract	In- Sem		nd- em	TW	PI	OR	Total	TH/TW	PR+OF
40418	VLSI Design& Technology			-	-	30	T	70	-+	-	-	100	3	-
404182	Computer Networks & Security	4		-	-	30	7	0			-	100	4	-
404183	Radiation & Microwave Techniques	3	-		-	30	70		-	-	-	100	3	
404184	Elective I	3		T		30	70	1.	.			100	3	
404185	Elective II	3	T	T	13	30	70	1.				100	3	
404186	Lab Practice -I (CNS+ RMT)	-		4	1.			50	, .	-	50	100		2
404187	Lab Practice -II VLSI + Elective I)			4	1.	1	-	50	5	0	1	100		2
404188	Project Stage 1	-	2			1				1	50	50	-	2
Au	dit Course 5		-			1				1.	-			-
	Total	6	2	8	150	3	50	100	50	10	00	750	16	6
ective I		1	otal (	red	its	_		_	_	1	-	-	22	_
Digital Im rocessing Industrial	age and Video Drives and Control I Systems & RTOS Things	1 2 3. 4.	Electiv Way Election Artific Electiv	relets troni niza cial	cs Pro tion T Intelli	echn genc	ique c	s		1. 0	ireen l	urse 5 Energy Behaviou	r	
					2				EVER		1. 24	Ne Depart	J'EN	90

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				Ser	neste								
-		Teachi Hour			Sem	ester		lark		heme of	Cn	edit	
Course Code	Course	Theory	Tut	Pract		End- Sem	TW	PR	OR	Total	TH/TW	PR+OI	
404189	Mobile Communication	3	-	4	30	70		-		100	3	-	
404190	Broadband Communication Systems	4	-		30	70			-	100	4	-	
404191	Elective III	3			30	70				100	3	-	
404192	Elective IV	3			30	70				100	3	-	
404193	Lab Practice -III (MC+BCS)	-	-	4	-	-	50	50		100	-	2	
404194	Lab Practice -IV (Elective III)	-		2	-				50	50	-	Ì.	
404195	Project Stage II		6	-			150		50	200	-	6	
	Audit Course 6			-		~			-	-			
	Total	13	6	6	120	280	200	50	100	750	13	9	
ective I	II.		Elect	ive-IV	_			_		Credits		22	
Elective III 1. Machine Learning 2. PLC s and Automation 3. Audio and Speech Processing 4. Software Defined Radio 5. Audio Video Engineering			Elective-IV 1. Robotics 2. Biomedical Electronics 3. Wireless Sensor Networks 4. Renewable Energy Systems 5. Open Elective*						1. Teat Fitness 2. Env	s	ng, Leadership and tal issues and		

### Final Year E&TC Engineering (2015 Course) (With effect from Academic Year 2018-19)

\*Any one course from the list of Elective IV of computer/IT/Electrical/Instrumentation or Institute can offer elective IV based on any industry need with prior approval from BoS(Electronics & Telecommunication). Repetition of course or topics should be avoided.

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	(With						car Z	021.	22)					
Course Code	Course Name	S	eachl chem	ng Ie	este Exa	andres rates	ion Sci	heme	e and	Marks	C	edit 1	Sche	me
		(Hou	irs/w	leek)			1	************						
		Theory	Practical	Tutorial	Mid-Sem	End-Sem	Term work	Practical	Oral	Total	Lecture	Practical	Tutorial.	Total
314441	Theory of Computation	03	-	-	30	70	-	-		100	3	- 1	1.45	3
314442	Operating Systems	03	-	-	30	70	-	-		100	3			3
314443	Machine Learning	03	-	2	30	70		-	-	100	3	-	-	3
314444	Human Computer Interaction	03	-	-	30	70	-	-	C	100	3	-	-	3
314445	Elective-I	03	-	-	30	70			1	100	3			
314446	Operating Systems Lab	-	04	-	-	45	25	.25	-	50	3	- 2	-	3
314447	Human Computer Interaction- Lab	ł	02	-	-		<u>,</u>	-	50	50	-	1	-	2
314448	Laboratory Practice-I	-	04	- /	***	94. 19	25	25		50		2		2
314449	Seminar	-	01		-	-	50	-	-	50	-	1		2
314450	Audit Course 5	- 4		18 .				-				-	-	-
		1.	dis:								-	-	-	-
	Total	15 1	1 .		ro				tal Cr	edit	15	06	•	21
bbreviati	and the second design of the s		1		.50	350	100	50	50	700	15	06	-	21
lective-I:	ons: TH: Theory, TW: Te			PA: P	racti					torial	- 10	-5° M		3.
14445A- [	esign and Analysis of Alge	orithm	)				udit Co			and In		1.3		
14445B- A	dvanced Database and M	anage	men	t Sys	tem	-31	44506	B-Sta	rtun	Ecosyst	sura	nce		
14445C-D	esign Thinking	11				31	44500	- For	eien	Langua	and	lana		
4445D-1	Practice-I:					La	nguag	e- 111	)	ungu	18c-1	Jaha	nese	-
statory	from Machine Learning a				124								-	-

Curriculum for Third Year of Information Technology (2019 Course), Savitribai Phule Pune University

	1	(With e				ester		ar zu	21-4	(2)		-	_	-	_
	Course Code	Course Name		Teach Sche (Hou wee	eme irs/	Exa	amina	tion Sc	hem	e and	d Marks	- CI	redit s	Sche	me
			Lecture	Practical	Tutorial	Mid-Sem	Ehd-Sem	Term Work	Practical	Oral	Total	Lecture	Practical	Tutorial	Total
	<u>314451</u>	Computer Networks& Security	03			30	70	E.			100	03			0
	314452	Data Science and Big Data Analytics	03			30	70		-	2	100	03			0
	<u>314453</u>	Web Application Development	03	-		30	70	Ó	X	-	100	03			0
	314454	Elective-II	03			30	70	14			100	03		-	0
	314455	Internship		04		1	13	100			100		04		04
-	314456	Computer Networks& Security-Lab	-	04	5	)		25		50	75		02	-	02
	314457	DS & BDA-Lab		02	R.		-	25	25		50		01		01
	314458	Laboratory Practice-II	2	04			-	50	25		75		02		02
Ì	314459	Audit Course 6	-	-	-		-							-	
_		- 2 L St						-	_	1	otal	12	09	-	21
		Total	12	14	•	120	280	200	50	EO	700	-	09	-	21
1 1.	4454A- Ar 4454B- Cy 4454C - Clo 4454D- So poratory P	tificial Intelligence ber Security oud Computing ftware Modeling and Des ractice-II: from Web Application De	ign	In the set of	Audit 31449 31449 31449	Cour: 59A - 0 59B - 1 59B - 1 59C - F	se 6: Green eader oreign	and U ship and Langu	ncon nd Pe	venti	ional Er ality De anese Li	evel	opme	nt IV)	



 "Empowerment through Technological Excellence"
 GENBA SOPANRAO MOZE COLLEGE OF ENGINEERING 25/1/3, Balewadi, Pune – 411045. Ph: 020-27390500
 (Recognized by AICTE, New Delhi; Approved by Govt. of Maharashtra; Affiliated to Savitribai Phule Pune University)
 Website: www.gsmozecoe.co.in Email: gsmoze@yahoo.co.in
 Department of MBA

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"EMPOWERMENT THROUGH TECHNOLOGICAL EXCELLENCE"

### GENBA SOPANRAO MOZE COLLEGE OF ENGINEERING (MBA DEPARTMENT)



# 1st Year Semester I- MBA Detailed Syllabus

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#### ANNEXURE II - COURSE WISE DETAILED SYLLABUS

COLLEGA

	Generic Core Courses (Co	mpulsory) - Semester I & II
Semester 1		
3 Credits	LTP: 2:1:1	101 - Manageriai Accounting
	errielait	Compulsory Generic Core Course

### Course Outcomes: On successful completion of the course the learner will be able to

66WW	COGNITIVE ABILITIES	COURSE OUTCOMES
CO101.1	REMEMBERING	DESCRIBE the basic concepts related to Accounting, Financial Statements,
CO101.2	UNDERSTANDING	Cost Accounting, Marginal Costing, Budgetary Control and Standard Costing EXPLAIN in detail, all the theoretical concepts taught through the syllabus.
C0101 3	APPLYING	PERFORM all the necessary calculations through the relevant numerical problems.
CQ101.4	Constanting .	ANALYSE the situation and decide the key financial as well as non-financial elements involved in the situation.
CO101.5	EVALUATING	EVALUATE the financial impact of the decision.

Basic Concepts: Forms of Business Organization. Meaning and importance of Accounting in Business Organization, Basic concepts and terms used in accounting, Capital & Revenue Expenditure, Capital & Revenue Receipts, Users of Accounting Information. Accounting Concepts and Conventions, Fundamental Accounting Equation, Journal, Ledger and Trial Balance. (4+2) 2

Financial Statements: Meaning of Financial Statements, Importance and Objectives of Financial Statements. Preparation of Final Accounts of sole proprietary firm. (7 + 2) 3.

Cost Accounting: Basic Concepts of Cost Accounting, Objectives, Importance and Advantages of Cost Accounting. Cost Centre, Cost Unit, Elements of Cost, Classification and Analysis of Costs, Relevant and Irrelevant Costs, Differential Costs, Sunk Cost, Opportunity Cost, Preparation of Cost Sheet. (8 + 2) а.

Short Term Business Decision Techniques - Marginal Costing: Meaning, Principles, Advantages and Limitations, Contribution, P/V Ratio, Break-Even Point (BEP), Cost Volume Profit (CVP) Analysis, Short Term Business Decisions-Product Mix Decisions, Make or Buy (Outsourcing) Decisions, Accept or Reject Special Order Decisions, Shutting Down

Exercising Control - Budgetary Control & Standard Costing: Budgetary Control: Meaning of Budget and Budgeting, Importance, Advantages and Disadvantages, Functional Budgets-Raw Material Purchase & Procurement Budget, Cash Budget and Flexible Budget. Standard Costing: Meaning, Importance, Advantages and Disadvantages, Cost Variance Analysis. Material Variances - Material Cost Variance, Material Rate Variance, Material Usage Variance, Material Mix Variance and Material Yield Variance. Labour Variances -Labour Cost Variance, Labour Rate Variance, Labour Efficiency Variance, Labour Mix Variance, Labour Idle Time Variance and Labour Yield Variance. (8 + 2)

Note: Numerical Problems will be asked on the following -

- 1. Final Accounts of Sole Proprietary Firm
- 2 **Preparation of Cost Sheet**
- Marginal Costing and Short-Term Business Decisions з.
- Raw Material Purchase & Procurement Budget, Cash Budget, Flexible Budget 4. 5. Material Variances and Labour Variances

#### Suggested Text Books:

1.

Ce.

- Management Accounting, Khan and Jain, Tata McGraw Hill 1
- Fundamentals of Management Accounting, H. V.Jhamb 2.
- 3.
- Managerial Accounting, Dr. Mahesh Abale and Dr. Shriprakash Soni Management Accounting, Dr. Mahesh Kulkarni 4.

#### Suggested Reference Books:

- Financial Cost and Management Accounting, P.Periasamy 1.
- 2.
- Financial Accounting for Management, Shankarnarayanan Ramanath, CENGAGE Learny Accounting For Management, S. N. Maheshwari 3. OLLEGE

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- 4. Management Accounting, MadhuVij
- 5. Fundamentals of Management Accounting, H. V.Ihamb
- 5. Cost and Management Accounting, M. N. Arora
- 7. Financial Accounting for Managers, Sanjay Dhmija, Pearson Publications
- 8. Management Accounting, Mr. Anthony Atkinson, Robert Kaplan, Pearson
- 9. Accounting For Management, Jawarhar Lal
- 10. Accounting, Shukla Grewal
- 11. Management Accounting, Ravi Kishore
- 12. Accounting for Managers, Dearden and Bhattacharya

Semester I		102 - Organizational Behaviour
3 Credits	170.0.0.0	tox - Organizational Benaviour
-> creaits	LTP: 2:1:1	Compulsory Generic Core Course

### Course Outcomes: On successful completion of the course the learner will be able to

601	COGNITIVE ABILITIES	COURSE OUTCOMES
C0102.1	REMEMBERING	DESCRIBE the major theories, concepts, terms, models, frameworks and research findings in the field of organizational behavior.
CO102_2	UNDERSTANDING	EXPLAIN the implications of organizational behavior from the perspectives of employees, managers, leaders and the organization.
CO102.3	APPLYING	MAKE USE OF the Theories, Models, Principles and Frameworks of organizational behavior in specific organizational settings.
CO102.4	ANALYSING	DECONSTRUCT the role of individual, groups, managers and leaders in influencing how people behave and in influencing organizational culture at large.
CO102.5	EVALUATING	FORMULATE approaches to reorient individual, team, managerial and leadership behaviour inorder to achieve organizational goals.
CO102.6	CREATING	ELABORATE UPON the challenges in shaping organizational behavior, organizational culture and organizational change.

1. Fundamentals of OB: Evolution of management thought, five functions of management, Definition, scope and importance of DB, Relationship between OB and the individual, Evolution of OB, Models of OB (Autocratic, Custodial, Supportive, Collegial & SOBC), Limitations of OB. Values, Attitudes and Emotions: Introduction, Values, Attitudes, Definition and Concept of Emotions, Emotional Intelligence - Fundamentals of Emotional Intelligence, The Emotional Competence Franework, Benefits of Emotional Intelligence - difference between EQ and IQ. Personality & Attitude: Definition Personality, importance of personality in Performance, The Myers-Briggs Type Indicator and The Big Five personality model, Johari Window , Transaction Analysis , Definition Attitude Importance of attitude in an organization, Right Attitude, Components of attitude, Relationship between behavior and attitude. (7+2)

2. Perception: Meaning and concept of perception, Factors influencing perception, Selective perception, Attribution theory, Perceptual process, Social perception (stereotyping and halo effect). Motivation: Definition & Concept of Motive & Motivation, The Content Theories of Motivation (Maslow's Need Hierarchy & Herzberg's Two Factor model Theory), The Process Theories (Vroom's expectancy Theory & Porter Lawler model), Contemporary Theories- Equity Theory of Work Motivation. (8+2)

 Group and Team Dynamics : The Meaning of Group & Group behavior & Group Dynamics, Types of Groups, The Five -Stage Model of Group Development Team Effectiveness & Team Building. Leadership: Introduction, Managers V/s Leaders. Overview of Leadership- Traits and Types, Theories of Leadership.- Trait and Behavioral Theories. (8+2)

4. Conflict Management – Definition and Meaning, Sources of Conflict, Types of Conflict, Conflict Management Approaches. Organizational Culture: Meaning and Nature of Organization Culture - Origin of Organization Culture, Functions of Organization Culture, Types of Culture, Creating and Maintaining Organization Culture, Managing Cultural Diversity. (7+2)

5. Stress at workplace: Work Stressors – Prevention and Management of stress – Balancing work and Life, workplace spirituality. Organizational Change: Meaning, definition & Nature of Organizational Change, Types of Organizational change, Forces that acts as stimulants to change. Kurt Lewin's- Three step model, How to overcome the Resistance to Change, Methods of Implementing Organizational Change, Developing a Learning Organization. (5+2)

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#### SPEU - MEA Revised Curriculum 2019 CBCBS & OSE Pettern

pricing, Gycken origing, Passebration Pricing, Price Leadenship, Price Skinnning, Transferpricing, Price Determination under Perfact Competition- Introduction, Markat and Markot Stockure, Perfect Competition, Price-Output Determination under Perfact Georgetitien, Sont-run Industry Egulibrium under Perfect Competition, Spert-run Firm Equilibrium under Perfact Competition, Long-run Industry Egulibrium under Perfect Competition, Long-run Firm Equilibrium under Perfact Competition, Pricing Under Imperfact Competition- Introduction, Monopoly, Price Discrimination under Monopoly, Statural Memopoly, Monopolistic Competition- Unisoduction, Monopoly, and Price Londenship, Pricing Power, Despoly, Industry Analysis, Profit Policy: Brash Even analytis, Prails Porecarting, Heed for Goremonent Intervision in Adurtests, Price Castrolis, Support Price, Presenting and Cantrol of Monopoly, System of DestPrice, (2141)

5. Communition Practice and Investment Functions Interdection, Consumption Function, Investment Function, Morginal efficiency of capital and business expectations, Multiplier, Accelerator, Business Option Introduction, Meaning and Festures, Theories of Business Optics, Meanings to Cantrol Business Option, Reserved Business Cycles, Meaning, 1941)

#### Suggested Test Books:

- 1. Managerial Economics, Peterson, Lewis, Sudhir Jain, Pearson, Promite Hall
- 2. Managarial Economics, D. Salvatore, McGraw Hill, New Delhi.
- 3. Managorial Economics, Peason and Lawis, Prentice Hall, New Delhi
- 4. Managerial Sconomics, G.S. Gepta, T.M.H. New Delbi.
- 5. Managerial Sconomics, Mote, Paul and Bupts, T M H, Hew Cellui.

#### Suggested Reference Books:

- Managerial Economics, Honses and Materice, Tata McGrow Hill.
- 2. Messagerial Committee-Antiquia, Problems and Cases, P.L. Makita, Sultan Claumi Sons, New Oribi,
- 8. Managerial Economics, Versioney and Makeshwari, Seitan Chevel and Sons, New Delbi.
- 4. Menagerial Economics, D.M.Mithani
- S. Managariai Economics, Joel Dean, Prestice Hall, USA.
- 6. Managemiel Economics by HIL Aintits, S Chand & Co. New Cellin.

Semester	<u> </u>	100 - Bygingen Research Mothods
2Colla	LTP: 2:1-1	Computerry Georgia Core Course

#### Course Outcompet: the successful completion of the course the feature will be able to

CO#	COMMENTE ASSUMES	COURSE OUTCOMES
00104-1	REMEMBER	OFFINE various concepts it terms associated with scientific bosiness research.
00104-2	UNDERSTANDING	COLARN the terms and concepts used in all expects of scientific business research.
	APPLYING	MAKE USE OF scientific principles of research to SOLVE contemporary business repeards problems.
C0104.4	AMALYSING	EXAMPLE the vertices there at a measure problem and ELEUSTICATE the releasest aspects of the research process from a data driven ducision perspective.
60104.5	EXALING	AUGE the suitability of alternative research designs, sampling designs, data collection instruments and data analysis options is the context of a given real-life business research problem from a data driven design perspective.
C0304.6	CREATING	POBMULATE alternative research dealgrs, sampling dealgrs, data collection fratewants, tastable hypotheses, data analysis startegies and research reparts to address real-life business repeatch problems.

 Foundations of Research - Dailuition of Research, Need of Distingss research, Characteristics of scientific research method, Typical Research applications is badress and management. Questions in Research: Formulation of Research Problem - Management Question - Research Question - Investigation Question. The process of Bestness research: Lieuware review - Concepts and theories - Research questions - Sampling - Data collection - Data easilysis - Writing up - The Research process (essent) process, Elemann of a Research Proposal. Practical considerations: Walow researcher & organization. Whice principles - Have to participants, Lack of Informed constant, Investor of private Page 17 of 275

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Note: Evolution of Menagement thought to DB and functions of exangement to be severed in bilef as a beckground interface to the subject only

#### Suggested Test Depity:

- Organizational Behaviour, Robins 1.
- Organitational Schwitzer, Pintern & Optics 2
- Organizational Schevices, Fred Latisats 1
- Organizational Schevicer, Staphan Rolens, Typolly Judge, Halterike Volca 4
- Constitutional Solveriour, M H Midne 5.
- Organizational Schevicer, KAdvivetheope 4

- 1.
- stad Reinnande Beeks Understamling OS, Udey Parcok Change & Encoderige Menageme it, Janukitana, Ravindra and Shubita Murikihar 2
- L Human Recourse Management, Memo, CENGAGE Learning

Samepert		363 Seenensie Analyzis für Burberte Decisione
1 Credits	LIP: Idet	Compulsory Commits Core Copieja

#### Statio Outcomes: Consumately annualities of the course the law our will be able to

8	COGNITIVE ANUMES	COURSE OUTCOMES
C0105.1	NEW CHARGE CONS	DEFINE the key terms in micro-scenendics.
CE106.2	UNDERSTANDING	EXPLAIN the key terms in micro-accounts, from a managerial perspective.
	APPUING	IDENTIFY the various issues in an economics content and DEMONSTRATE their significance from the perspective of business technics making.
contil 4	ANALY:###	EXAMPLE the inter-relationships between various facuts of micro-aconomics from the perspective of a component, flow, industry, market, compatition and business cycles.
COMB.5	evaluktinis	DEVELOP official trining based an principles of micro-accromics for informed besiness decision making.
CD108.6	CHENTUNG	Additionable how other financies an industry and concentents will respond to account decident made by a betinese, and how to incorporate these appendes into their own decisions.

Managerial Economies: Concept of Economy, Economics, Microeconomics, Mecroeconomics, Nature and Scope of Managerial Companies, Managerial Sconanics and dechine-making. Concept of Fern, Marine, Objectives of Fern: Profit Maximization Model, Communit Theory of the Fern, Quest and March's Behavior Theory, Manual Geometr

Maximization Modul, Countral's Static and Dynamic Module, Willing again this match a content mattery, Marco Country Maximization Modul, Countral's Static and Dynamic Module, Willing such the Analysis Content of Static Country, (Sec) 2. Utility 8. Demond Analysis. Utility - Manning, Willy such its Measurement of utility, Low of disabilitying manying utility, Indifference conve, Continue's equilibrium - Redget line and Contents surpline. Demond - Country of Demond, Types of Demand, Determinents of Demond, Law of Demond, Country of Country, Exceptions to Law of Demand, thes of the concept of electicity. Forecasting: Introduction, Manaling and Forecasting, Level of General Parameters, Ortante for Good Canand Forecasting, Methods of Damand Forecasting, Sarvey Methods, Statistical Methods, Quelitative Methods, Demand Forecasting for a New Products. (Canand Personsting methods - Conceptual

Exercises only cornecteds not expected) (0+3) 1. Supply & Module Equilibrium Introduction, Messing of Supply and Law of Supply, Exceptions to the Law of Supply, Changes or Shifts in Supply, Election Introduction, Neural Deturning Ensities of Supply, Practical Importance, Marinet Equilibrium and Changes in Marinet Equilibrium, Production Analysis, Introduction, Manning of Production and Production Punction, Cast of Production. Cast Antipaliz Private costs and Social Costs, Advanting Costs and Economic costs, Short run and Long Ium costs, Economies of scale, Cost-Chalpet Refellenship - Cost Function, Cost-Output Referitorships in the Short Run, and Cost-Culput Relationships in the Long Run. (8+1)

Bevenue Analysis and Prizing Pelicies: Introduction, Enverses Meaning and Types, Inflationship between Revenues and Price Elesticity of Demand, Pricing Policies, Objectives of Pricing Policies, Cast pice pricing. Marginal cost

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Deception, Reciprocity and trust, Affiliation and conflicts of interest. Legal considerations - Data management, Copyright. (6+1)

2. Research Design: Concept, Features of a robust research design. Exploratory, Descriptive, Quasi Experimental, Experimental research designs, Concept of Cause and Effect, Difference between Correlation and causation. Types of Variables - Independent, Dependent, concomitant, mediating, moderating, extraneous variables, Basic knowledge of Treatment & Control group, Case study design. Cross-sectional and Longitudinal designs, Qualitative and Quantitative research approaches, Pros and Cons of various designs, choice of a research design. Hypothesis: Definition, research Hypothesis, Statistical hypothesis, Null hypothesis, Alternative Hypothesis, Directional Hypothesis, Non-directional hypothesis. Qualities of a good Hypothesis, Framing Null Hypothesis & Alternative Hypothesis. Concept of Hypothesis Testing - Logic & Importance. (7+1)

3. Data & Measurement: Meaning of data, Need for data. Secondary Data: Definition, Sources, Characteristics, Advantages and disadvantages over primary data, Quality of secondary data - Sufficiency, adequacy, reliability and consistency. Primary Data: Definition, Advantages and disadvantages over secondary data. Measurement: Concept of measurement, What is measured? Problems in measurement in management research - Validity and Reliability, Levels of measurement - Nominal, Ordinal, Interval, Ratio. Attitude Scaling Techniques: Concept of Scale - Rating Scales viz, Likert Scales, Semantic Differential Scales, Constant Sum Scales, Graphic Rating Scales - Ranking Scales - Paired Comparison & Forced Ranking - Concept and Application. Questionnaire: Questionnaire Construction - Personal Interviews, Telephonic survey Interviewing, Online questionnaire tools. (8+1)

4. Sampling: Basic Concepts: Defining the Universe, Concepts of Statistical Population, Sample, Characteristics of a good sample. Sampling Frame, determining the sample frame, Sampling errors, Non Sampling errors, Methods to reduce the errors, Sample Size constraints, Non Response. Probability Sample: Simple Random Sample, Systematic Sample, Stratified Random Sample, Area Sampling & Cluster Sampling, Non Probability Sample: Judgment Sampling, Convenience Sampling, Purposive Sampling, Quota Sampling & Snowballing Sampling methods. Determining size of the sample: Practical considerations in sampling and sample size, (sample size determination formulae and numericals not expected) (9+1)

5. Data Analysis & Report Writing: Data Analysis: Cleaning of Data, Editing, Coding, Tabular representation of data, frequency tables, Univariate analysis - Interpretation of Mean, Median Mode; Standard deviation, Coefficient of Variation. Graphical Representation of Data: Appropriate Usage of Bar charts, Pie charts, Une charts, Histograms, Bivariate Analysis: Cross tabulations, Bivariate Correlation Analysis - meaning & types of correlation, Karl Person's coefficient of correlation and spearman's rank correlation. Chi-square test including testing hypothesis of association, association of attributes. Linear Regression Analysis: Meaning of regression, Purpose and use, Linear regression; Interpretation of regression co-efficient, Applications In business scenarios. Test of Significance: Small sample tests: t (Mean, proportion) and F tests, Z test, Non-parametric tests; Binomial test of proportion, Randomness test. Analysis of Variance; One way and two-way Classifications. Research Reports: Structure of Research report, Report writing and Presentation. (10+1)

#### Note:

- 1. It is desirable to use MS Excel / SPSS / Systat for delivery of unit S.
- 2. For unit 5, Formulae and calculations are not expected. Interpretation of the given data/test outcomes is expected
- for appropriate managerial decisions / inferences.

#### Suggested Text Books:

- Business Research Methods, Donald Cooper & Pamela Schindler, TMGH, 1.
- Business Research Methods, Alan Bryman & Emma Bell, Oxford University Press 2.
- Research Methods for Social Work, Allen, Earl R. Babbie, Congage з.
- Research Methods in Business Studies: A Practical Guide, Pervez Ghauri, Dr Kjell Gronhaug, FT Prentice Hall 4.

#### Suggested Reference Books:

- 1. Business Research Methods, William G. Zikmund, Barry J. Babin, Jon C. Carr, Mitch Griffin, Cengage Learning 2. Approaches to social research, Royce Singleton, Bruce C. Straits, Margaret Miller Straits, Oxford University Press
- 3. Research Methods: The Basics, Nicholas S. R. Walliman, Nicholas Walliman, Routledge,
- 4. Research Methodology in Management, Dr.V.P.Michael

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Semestar I		
1 Gredin.	LTTP) 2:1.1.	186 - Deties of Manhardon
		106 - Batles of Merineting wapping y Georgic Core Course
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### Course Outporter: On patential completion of the orange fits loarner will be able to

COP	COGGETTIVE AND CTHES	the state of the state of the state to
C0305.1	REMEMBERING	COURSE OUTCOMES
		RECALL and REPRODUCE the surface concepts, principles, frameworks and berne valued to the Gravitational concepts, principles, frameworks and
		burns minted to the function and role of mertading.
CO105.2	UNDERSTANDING	Character and Provide a control of the for management
		Districted with the relevance of markating management concepts and
		frameworks to a new or existing business acress wide verify of session and BLUSSEATE the role that wide instantiation of the series of session and
		ergenitational lander and manager.
COLIS	APPLYING	ATTN V mark at an addition of the second s
		APTLY marketing principles and theories to the demands of marketing
		The second state proceeds in contract and the second second
00100.4	ANNUISING	EXCERNING and LIST marketing lacues pertaining to segmentation, targeting
		and antikinging manufactors percenting to sectore light targeting
CO105.5	EVALUATING	
		mix and Product Life Orcie with rest world examples,
00054	CREATING	
		CISCUIS elements approaches to segmentation, targeting and positioning, the marketing emittaneous
_	<u> </u>	(commodities, goods, survices, e-products/ e-services.).
_		The second secon

 Introduction to Maduting: Calinitian & Penctions of Merinsing-Scope of Merinstein, Evalution of Marketing, Core-concepts of marketing – Need, Whit, Demand, Customer Volus, Exchange, Customer Setisfection, Castomer Delight. Customer layaby, Concepts of Markets, Markets, Marketing V/S Market Competition, Key customer markets, market piscus, Market spaces, Main everhets, Digital Markets, Brick & Click Mexici, Mexici, Mexici, Mexici, Mexici of Clickelization, Technology and Social Responsibility on Marketing, New Consumer Capabilities, New Company Capabilities, Autochans of Marketing, Managar, Unitage of Alsofusting functions with all functions in the organization, Company collectation towards matical places Product -Production - Sales - Marketing -Societal - Relational, Holistic Merketing Orientation, Saling varies inarbating. Concept of Marketing Myopia, Marketing Process, Understanding Marketing of Creating, Communicating, and Dailworkey Value

2. Merioding Endromment: Concept of Environment, Macro Environment & Micro Environment - Components and characteristics, Reeds & Trends, Major farces impacting the Macro Emirosment & Micro Emirormant, Need for analysing the Marinting Environment. Analysing the Political, Economic, Socio-cultural, Technical and Legal Environment.

3. Segmentation, Target Marineting & Postforming: Segmentation - Concept, Need & Benefits, Beographic, Demographic, Payshographic, Behaviourel bases of segmentation for consumer goods and sarvices. Bases for segmentation for basiness nariosts, Levels of sugnarization, Criteria for effective sugmentation. Market Potential & Market Share. Target Market -Concept of Target Markets and criteria for selection, Segment Marketing, Miche & Local Marketing, Miss reselecting, Long Tail Mertating, Peckkoning - Concept of allierentiation & patilioning, Value Proposition & Unique Selling Proposition,

4. Consumer Balandor: Meaning & Importance of communar hairsdor, Comparison Incomes Organizational Reging behander erni consumer burying behavior, Berying roles, Fire stape consumer beryor decision proposs - Problem Recognition, Information Search, Evaluation of Alternatives, Purchase Decision, Post Purchase Behavior. Moment of Touts, Zero Moment of Tryck, ZMUT, Moderating affects on competer behavior, (7+2) E. Musicating Mile: Origin & Concept of Marketing Mile, 79's - Product, Price, Process, Promotion, People, Peocess, Physical

evidence. Product Life Cycles Concept & characteristics of Product Life Cycle (PLC), Relevance of PLC, Types of PLC and

Note: Real world examples / cases are expected to be analyzed in the class as well as lockuded in the exampleston.

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#### Suggested Text Books;

- 1. Marketing Management, Philip Kotler, Kevin Lane Keller, Abraham Koshy, Mithileshwar Jha, Pearson
- 2. Marketing Management, Rajan Saxena, TMGH
- 3. Marketing, Lamb Hair Sharma, Mc Danlel, Cengage Learning

#### Suggested Reference Books:

- 1. Principles of Marketing, Philip Kotler, Gary Armstrong, Prafulla Agnihotri, Ehasan Haque, Pearson
- 2. Marketing Management- Text and Cases, Tapan K Panda, Excel Books
- 3. Marketing Management, Ramaswamy & Namakumari, Macmillan.
- 4. Marketing Whitebook

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Semester I		106 - Digital Business
3 Credits	LTP: 2:1:1	Compulsory Generic Core Course

#### Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO106.1	REMEMBERING	DESCRIBE the conceptual framework of a commerce, mobile commerce and social commerce.
CO106.2	UNDERSTANDING	SUMMARIZE the impact of information, mobile, social, digital, IOT and related technologies on society, markets & commerce.
CO106.3	APPLYING	ILLUSTRATE value creation & competitive advantage in a digital Business environment.
CO105.4	ANALYSING	EXAMINE the changing role of intermediaries, changing nature of supply chain and payment systems in the online and offline world.
CO105.5	EVALUATING	ELABORATE upon the various types of digital business models and OUTLINE their benefits and limitations.
CD106.6	CREATING	DISCUSS the various applications of Digital Business in the present day world.

 Electronic Commerce: The Digital Revolution and Society, The Digital and Social Worlds - The Digital Economy, The Digital Enterprise, Virtual Communities, Online Communities, Defining Electronic Commerce, Emerging E-Commerce Platforms, E-Business, Electronic Markets and Networks; The Content and Framework of E-Commerce, Classification of E-Commerce by the Nature of the Transactions and the Relationships Among Participants, E-Commerce Business Models, Integrating the Marketplace with the Marketspace, Web 2.0. Drivers, Benefits and Limitations of E-Commerce, Impact of E-Commerce on business, government, customers, citizens and society, (7+2)

2. Mobile Commerce, Social Commerce and IoT: Mobile Commerce, Attributes Applications and Benefits of M-Commerce, Mobile Marketing - Shopping and Advertising. Social Commerce: Social Commerce, Social Business (Enterprise), Social Business Networks and Social Enterprise, Social Media, Platforms for Social Networking; Social Media Marketing, Enterprise 2.0, Improved Business Models. Entrepreneur Networks, Enterprise Social Networks, The Benefits and Limitations of Social Commerce, Benefits to Customers, Retailers, Employees, players in the ecosystem. Social Collaboration (Collaboration 2.0) - Essentials of Social Collaboration, Consumer-to-Consumer Electronic Commerce (C2C), Person-to-Person models. Internet of Things: Concept of IoT, Smart Homes and Appliances, Smart Cities, Smart Cars, Wearable Computing and Smart Gadgets. (7+2)

3. Digital Business Ecosystem: Electronic Commerce Mechanisms, Online Purchasing Process, E-Marketplaces -Types, Components and Participants, Disintermediation and Reintermediation; Customer Shopping Mechanisms -Webstores, Malls, and Portals, Webstores, Electronic Malls , Web (Information) Portals. Intermediaries: Roles of Intermediaries in E-Marketplaces, Merchant Solutions; Electronic Catalogs, Search Engines, and Shopping Carts, Electronic Catalogs, E-Commerce Search Activities, Auctions - Traditional Auctions Versus E-Auctions, Dynamic Pricing. Changing Supply Chains: Structure of the Supply Chain, EC Order Fulfillment Process, Speeding Up Deliveries, Partnering Efforts and Outsourcing Logistics, Order Fulfillment in Make-to- Order (MTO) and Mass Customization. Digital Payments: Smart Cards, Stored-Value Cards, EC Micropayments, Payment Gateways, Mobile Payments, Digital and Virtual Currencies, Security, Ethical, Legal, Privacy, and Technology Issues. (7+2)

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#### Suggested Text Books:

- Marketing Management, Philip Kotler, Kevin Lane Keller, Abraham Koshy, Mithileshwar Jha, Pearson 1.
- Marketing Management, Rajan Saxena, TMGH 2
- Marketing, Lamb Hair Sharma, Mc Daniel, Cengage Learning з.

#### Suggested Reference Books:

Principles of Marketing, Philip Kotier, Gary Armstrong, Prafulla Agnihotri, Ehasan Haque, Pearson 1.

- Marketing Management- Text and Cases, Tapan K Panda, Excel Books 2.
- Marketing Management, Ramaswamy & Namakumari, Macmillan. з.
- Marketing Whitebook 4,

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	-	106 – Digital Business
Semester I		Compulsory Generic Core Course
3 Credits	LTP: 2:1:1	companyly denine core control

### Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO106.1	REMEMBERING	DESCRIBE the conceptual framework of a commerce, mobile commerce, and social commerce.
CO106.2	UNDERSTANDING	SUMMARIZE the impact of information, mobile, social, digital, IOT and related technologies on society, markets & commerce.
CO106.3	APPLYING	ILLUSTRATE value creation & competitive advantage in a digital Business environment.
CO106.4	ANALYSING	EXAMINE the changing role of intermediaries, changing nature of supply chain and payment systems in the online and offline world.
CO106.5	EVALUATING	ELABORATE upon the various types of digital business models and DUTLINE their benefits and limitations.
CO106.6	CREATING	DISCUSS the various applications of Digital Business in the present day world.

Electronic Commerce: The Digital Revolution and Society, The Digital and Social Worlds - The Digital Economy, The Digital Enterprise, Virtual Communities, Online Communities, Defining Electronic Commerce, Emerging E-Commerce Platforms. E-Business, Electronic Markets and Networks; The Content and Framework of E-Commerce, Classification of E-Commerce by the Nature of the Transactions and the Relationships Among Participants, E-Commerce Business Models, integrating the Marketplace with the Marketspace, Web 2.0. Drivers, Benefits and Limitations of E-Commerce, Impact of E-Commerce on business, government, customers, citizens and society. (7+2)

Mobile Commerce, Social Commerce and IoT: Mobile Commerce, Attributes Applications and Benefits of M-Commerce, Mobile Marketing - Shopping and Advertising. Social Commerce: Social Commerce, Social Business (Enterprise), Social Business Networks and Social Enterprise, Social Media, Platforms for Social Networking; Social Media Marketing, Enterprise 2.0, Improved Business Models, Entrepreneur Networks, Enterprise Social Networks, The Benefits and Limitations of Social Commerce, Benefits to Customers, Retailers, Employees, players in the ecosystem. Social Collaboration (Collaboration 2.0) - Essentials of Social Collaboration, Consumer-to-Consumer Electronic Commerce (C2C), Person-to-Person models. Internet of Things: Concept of IoT, Smart Homes and Appliances, Smart Cities, Smart Cars, Wearable Computing and Smart Gadgets. (7+2)

Digital Business Ecosystem: Electronic Commerce Mechanisms, Online Purchasing Process, E-Marketplaces 3. Types, Components and Participants, Disintermediation and Reintermediation; Customer Shopping Mechanisms Webstores, Malls, and Portals, Webstores, Electronic Malls , Web (Information) Portals. Intermediaries: Roles of Intermediaries in E-Marketplaces, Merchant Solutions: Electronic Catalogs, Search Engines, and Shopping Carts, Electronic Catalogs, E-Commerce Search Activities, Auctions - Traditional Auctions Versus E-Auctions, Dynamic Pricing, Changing Supply Chains: Structure of the Supply Chain, EC Order Fulfillment Process, Speeding Up Deliveries, Partnering Efforts and Outsourcing Logistics, Order Fulfillment in Make-to- Order (MTO) and Mass Customization. Digital Payments: Smart Cards, Stored-Value Cards, EC Micropayments, Payment Gateways, Mobile Payments, Digital and Virtual Currencies, Security, Ethical, Legal, Privacy, and Technology Issues. (7+2)

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1.1			 والمستعدين والمستعد والمستعد والمتعا	المحدث والمحاجر والمحاجر والمحدول
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Seme	ter)		187 - Managemout Pandeenestaje
201		LTP: 1:20	Genetic Begine - University Level

<u>Course Ontermore On encourseling completion of the course the learner will be able to </u>

001	COOMING ARRING	COURSE OUTCOMINE
00147.1	REMEMBERING	ENUMERATE various menagerial competencies and approaches to management.
CO117.2	UNDERSTANDING	EXPLANT the role and need of Planting, Organizing, Decision Making and Controlling,
CO147,5	APPLICA	MANE USE OF the principles of goal notting and planning for simple as well as complex tasks and small projects.
CO117.4	ANALYSING	COMPARE and CONTRAST vertices organizational structures of verticity of instance. and not-for-profit_entities in a real world context.
CO117.5	ÉVALIAATING	SULD a list of the decision making cilibaria used by procleday managers, loaders and entrepreneum in mutina and non-routine decision making situations and EVALUATE and EXPLAIN the same.
CO107.5	CREATING	FORMULATE and DECUSS a basic controlling model in a real We busicess, start- up and wob-fer-grafit organizational control.

1. Basic Concepts: Manager, Managing, Workpisco, Organisation, Management Functions, Mintaburg's Managerial Rains, The Universality of Management, Approaches to Management - Barky Management, Classical Approach, Behavioral Approach, Quantitative Approach, Cantemporary Approaches. Managerial Competencies: Communication, train Work, planning and administrative, strangic and global competencies: Managerial Skills; How in the Manager's Job Changing?, Impactance of Cantomers to the Manager's Job, Importance of Innovation to the Manager's Job, Importance of Sustainshillity to the Manager's Job. (5)

 Plantining Concept, and, antare, Managaraent by Objectives (M60) - Process of M60 - Secolits of M80, Planning, and Performance, Goals and Plans, Types of Goals, Types of Plans, Setting Goals and Developing Mans, Approaches to Setting Goals, Developing Mans, Approaches to Planning, Planning Effectively in Dynamic Breitenmente, 161

3. Departmentalization, Organization, Organizational Organizational Structures, Principles of Work Specialization , Departmentalization, Chein of Command, Span of Control, Controlization and Decentralization, Formalization, Mackanistic and Organiz Structures, Factors Affecting Structurel Choice - Structure, Jim, Technology, Environmental Uncertainty, Traditional Organizational Designs - Simple Structure, Functional Structure, Distributions, Structure, Natrix Structure, Team Structures, Project Structure, Adaptive Organizations - Soundary Jacs Organization, Virtual Organizations, Learning Organization, Field Work, Tele-working, Global Organizations, (2)

4. Decision Making The Dosision-Making Process - Identifying a Problem - Identifying Decision Orthona - Allocating Weights to the Orthonia - Danaloping Alternatives - Analysing Alternatives - Sciencing an Alternative - Implementing the Alternative - Evoluating Decision Offectiveness. Making Decisions: Redonality, Botastind Fantonality, The Role of Intention, The Role of Evidence-Based Monagement. Types of Decisions: Redonality, Botastind Fantonality, The Role of Intention, Operation of Evidence-Based Monagement. Types of Decisions: Redonality, Botastind Fantonality, The Role of Intention, - Quantizative approach, Environmental Approach, System Approach, Ethical Approach, Intuitive Approach, Core Stody Approach Decision-Making Styles - Usear-familineer Tainling Style Profile, Oecision-Making Islams and Grone. Effective Decision Making In Techy's World - Convectance of decision, Desision environments, Thinling of decision, Effective communication of Decision, Ruthologies In decision Making-Statementation of decision. (7)

5. Centrolling: Controlling, Cellution, used and Importance, The Sophrol Process, Managerial Decisions in Controlling, Feed-forward / Concurrent / Peodlock Controls, Financial Controls, Information Cantrols, Bandmarking of Rest Practices, [8]

#### Suggested Test Books

- 1. Fundamentation of Management by Robbins, S.P. and Denmaro, D.A., Pearson Education Acts, New Delhi.
- 2. Management, Koonitz and Wechrich, Thillie
- Lawrencement, Stomer, et. al., Prontice Hall of India, New Dolhi.

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#### SHYLL-MAR Andred Contrainer 2015 CRCDS & ONE Patien

2. Theories of entropresentation incometer Weavy by Schementer & Installing, Theory of High Achievement by McClellond, X-Efficiency Theory by Leibenciein, Theory of Peak by Reight, Theory of Secial change by Events Hagen. (4) Entreprenentation developments: Entreprenetaria) Competencies, Developing Competencies, Concept of entreprenetarising development, Entrepreneux Training and developing, Role of Entrepreneur Development Programs (IDP), Note of CEC, Still, ECH , MESBUD, MEDB, EDP - Objectives - contents - methods - mechanis - fals of Maximu. Interaction and Entreprenership, Design Triping Process. Role of consultancy organizations in promoting Entrepreneurs, Problems and cifficulties of Entrepreneurs - Marketing Pinance, Harman Resource, Production; Research external problems, Machiney of Brancoveneurs, Bairqueneurist change, occupational mobility - factors in mobility. (6)

Role of Canted Government and State Government in promoting Entrepreneurships introduction to various intertitives, subsidies and grants, Export Galeniad Units, Racal and Tax soncessions analiable, Women Entrapresents -Acie, Problems and Prespects, Research for law woman Entropreneurs, Assistance Programme for Small Scale Units -Institutional Framework - Note of 332 Sector in the Scenomy - Stil Units - Failure, Causes and Preventive Measures -Tenseround Strategies, Facere of Entrepreseurship Development and Government, Statt Op India, Multe in India, (5)

Enterprise Peacestion: Creating Entrepreneurtal Vesture, Entrepreneurship Development Cycle. Sutinets ming Process. The business plan as an astropromoted tool, Elements of Business Plan, Objectives, Market Analysis, Considerment of product / kies - Resources, Cheshiltion, and strategies, identifying attributes of strategic resources, Opportunity Analysis, Innovator or Suitanor, SWICT analysis, Internal and Estarval Environment Analysis, Industry Analysis, Eminyonic Companies and Spin off's, Parter's first farmer madel, Manuffying the right Bestman Model Convex, Seven Demoins of John Mullins, Opportunities in Emerging/Transition/Decline industries, Opportunities at the bettern of the pyramid, Opportunities is social sector, Opportunities arising out of digitarties, Medicating, Plance, Organization & Alteragement, Converting - Insynfacting, partworking and alliances, buying an existing business, Califord risk contingenties of the proposal, Scheduling and millestones. (9)

#### Suggested Text Docks:

- 1. Oyeantics of Easterpartmenthic Development, Vessel, Deal 1. Estroportmenting: New Vesture Coostics, Cavid H. Holt
- Entrepreneurship Development New Venture Creation, Smith Tanaja, S.L.Oupta 3
- Projest messagement, K. Hugarajan.
   Entropyment/ship: Strategies and Resources, Marc I. Dollinges

#### Suggested Reference Sur

- The Culture of Entrepresentable, Brighte barger £
- inscription and Entropressouship, Peter F. Couctor **z**.
- Extrementation, Robert D., Histick, Michael P., Pelers, Dean A. Shepherd A. Setroprotectility As Serragy, C. Date Mayer, Kurt A. Happard
- 5. New Vistor of Betrepresentative Chillenges & Opportunities, A. Sekey, M.S.Chillorn
- Entrepreseurship and Smill Betlinets Minagement, Sirupells
- The Bransprenerated Connection, Guireaux Haracle 7.
- S. Thought Londers, Stanon Brank
- Corporate Entrepronounship, Vijay Saliva 9. 30. Corporate Extraportanethip: Extreprenential Development listide Organizations, Midnet H.Merris, Densid
  - Linester
- 11. Introprovenship: Gifford Pinchot
- Lead Bis an Entroprenety, Next Thombetty
   Yeu Teo Can Recome an Entroprenew, Hallmistra Muteuddi
- 14. Make The Move: Derristillying Entrepreseurship, Ishen Gupta, Rajat Khare

Samedar I		110-Exception of Printploys for Linuxges
2010	LTP: 2:40	Generic Elective – University Level

#### Course Outcomes: Co successful campitalize of the services the issues will be side to

00	COGNETIVE ANUMES	
C0130.I	REMEAREM IN	DEFENI the basic cancepts of psychology,
00110.2	UNDERITANDINS	BOLAIN the pending and perceiving processes.
001103	APPLING	APPLY principles of learning and conditioning to interest behavior.

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#### STYLE- MER.Raylood Contrainer 2010 LECKS & ORE Primer

The Companies (Amendment) Act, 2019: Company - Collection, Meaning, Features and Types, One Payme Company, Incorporation of Company - Manorandum of Association (MOA), Articles of Association (ADA), Share capital & Debustance, Acceptance of deposits, Appointment of director including woman Director. (541)

The Communer Procession Act, 1994, Unfair & Enstriction Trade Practices, Dispute Redressed Forums - District, Rate & Hatloud Forters, Composition, Indistiction, Powers, Appellate Authority, Information Technology Act, 2800, Cigital Signature, Circotonia Governmente, Biccirconic, Records & Contracts, E - Publicate models, E - Commente & Jacutty, Cyber Chines, intellectual Property Land - Understanding of concepts of patents, copyrights, tradements and design. C+10

#### Suggested Test bookst

- 2. Sections Legislations for Management, M.C. Kechhal
- 2. Elements of Marchille Law, N.O. Kepoar 3. Socialization Corporate Laws, Dr. P.C. Tubian

#### Suggested Reference Socia:

- Legal Aspects of Bosinste, Ravinder Kenter 1.
- Susines Low, S. D. Gent 2.
- Business Laws, S.S. Gulshan
- 4. Legal Aspects of Overneer, Alderstever Patholic

Semester i	<u>112 - Departed Analysis wyl Portförsing</u> Generic Restive - Liebersliv Lavel
1 Credits KTP: 2:8:0	

### Course Dutterness On recommender completion of the source the ignores will be able to

	COGNETTVE ADDUTTES	COURSE OUTCOMES
00112.1	·	DESCRIPTION OF THE PARTY AND A REPORT OF THE PARTY OF THE
C0112.2		SUBMARIZE the use of demand forecasting in various functions of examplement.
		IDENTIFY the prostend core of various forer sating methods
	ANALYSING	OBCONSTRUCT a forecast into its various consortants. WILD a forecast for common products and services using time-series data.
C0112.5	EVACUATING	BUILD a forecast for common prospect and services charge the service

Demand Audiyatia: An Overview, Significance of Demand Analysis and Forecasting, How Productable is the Peterce? South Canadas of Possessit Brow, Mythe versus Reality of Romanning, Data Collection, Storage, and Processing Reality, Artof-Forecasting, Reality of Jedgesental Overridae, Reality of Unconstrained Forecasts, Constrained Forecasts, and Plans, Acceracy of Forecast, Short Run Forecast, Long Term Forecast. Applications of Forecasting - Forecasting economic trands, Safes Forecasts, Staffing forecests, badgeting, severate and tax planalog, cash flows forecesting, saw nasterial placening, incentory planning, etc. (5+1)

Intinuction of Demand - Marketing Research Tachalques - Companies Surveys, Consumer Christ and Focus Groups, Murket Oppurisonals in Test Startes, Statistical Extination, Variable Identification, These Series and Cress Sectional Onto Collection, Specification of the Medal, Estimation of the Parameters, interpretation of Regression Statistics. (Fe1)

Paracetting Dentand : Overview of Forecasting Methods, Selecting a Forecasting Technique, Parameter Forecast, Type of Users, Patterns in the Data Sories, Lord Time, Minimum Cata Requirement, Desired Accuracy, Cost of forecasting. Qualitative forecasting Techniques - Survey and Opinion Pulling Techniques, Oolphi Method, Cross Impact Analysis, Historical Analogy, (5+1)

Countilization Paresenting Mathods Lising Time Social Date: Time Series Analysis - Trend Analysis, Cyclical Veriptions, Sensoral Effects, Renders Ructuations, Seconding Techniques, Moving Averages, Exponential Smoothing. Single Exponential Smoothing, Hold's Two-Personeter Method, Hold's-Winters' Mothod, Winters' Additive Secondity Standard Statistical Stree Terms, Specific Measures of Forecast Error, Out-of-Sampia Maasurement, Forecast Value Added. Beronistric Techniques - Leading, Leading and Soliddent Economic Indicators, Diffusion and Competite Indents, Choose the Appropriate Formasting Mathed Lise of Software Packages for Foretasting such as EXCEL (547)

New Product Forecasting: Using Structured Augment, Collerances between Evolutionary and Bosolutionary New Products, Ganeral Fooling about New Product Forecasting, New Product Forecasting Overview, What is a Candidate

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SPPU - MBA	tevised Curriculum 201	9 CRCGS & DBE Pattern
		EXPLAIN the basic intrapersonal processes that influence social perception.
CO110.5	EVALUATING	EXPLAIN the basic intrapersonal processes once interaction

1. Basic Concepts: Introduction to Psychology, Definitions of Psychology, Goals of Psychology, History of Psychology, Modern Psychology, Psychology: its Grand Issues and Key Perspectives, Psychology - Trends for the New Millennium. Biological Bases of Behavior: Neurons - Building Blocks of the Nervous System, The Nervous System - Its Basic Structure and Functions, The Brain and Consciousness - states of consciousness, dreams, hallucinations, The Brain and Human Behavior, Heredity and Behavior - Genetics and Evolutionary Psychology. (6)

Sensation and Perception : Sensing and perceiving, Sensory Thresholds, Sensory Adaptation, The Senses - Hearing, Vision, Perceptual Processes, Information Processing - Bottom Up Processing, Top Down processing, Bottom Up and Top Down (together) processing, Culture, Experience & Perception, Perceptual Constancy, Perceptual Expectations, Perceptual illusions, Gestalt Theory, Perceptual Development and Learning. (6)

3. Learning and Conditioning: A Definition of Learning, Classical Conditioning, Instrumental Conditioning, Classical and Instrumental Conditioning Compared: Biofeedback and Reinforcement, Verbal Learning, Basic Conditioning and Learning Phenomena, Reinforcement, Schedules of reinforcement, role of reinforcement in developing subordinate Social Behavior, Transfer of Training, Learning by Observing Models, Biological Limits. (6)

Memory: Learning and Memory as Intertwined Processes, Kinds of Information Stored in Memory, Measures of Retention, The Three Components of Memory - Encoding, Storage, Retrieval, Interference Theory, Decay Theory, Information Processing I: Separate-Store Models, Information Processing II: Levels of Processing, Issues In Memory. (6) Cognition: Thinking - Mental Imagery, Problem Solving, Decision Making, Concept Formation, Language development. Relationship between language and thinking. Emotion: Definition of Emotion, the Physiology of Emotion, Emotional Expression - Verbal & Non Verbal, Labelling Emotions, Theories of Emotion - Common sense theory of emotion, James Lang theory of emotion, Cannnon Bard Theory of Emotion, Cognitive Arousal Theory of Emotion(6)

#### Suggested Text Books:

- Psychology Ciscarelli, S. K & Meyer, G.E Pearson Education Ltd. 1.
- Introduction to Psychology, Clifford T. Morgan, Richard A King, John R Weisz and John Schopler, Indian Edition 2.

#### Suggested Reference Books:

- Essentials of understanding psychology, Feldman S.R, Tata Mc Graw Hill. 1.
- Psychology, Baron, R.A and Misra, G. Pearson Education Ltd. 2.

famostarl		111 - Legal Aspects of Business
Semester 1	LTP: 2:0:0	Generic Elective - University Level
2 Credits	FILL RIGHT	

#### Outcomes: On successful completion of the course the learner will be able to

CON	COGNITIVE ABILITIES	COURSE OUTCOMES
CO111.1	REMEMBERING	DESCRIBE the key terms involved in each Act.
CO111.2	UNDERSTANDING	SUMMARIZE the key legal provisions of each Act.
CO111.3		ILLUSTRATE the use of the Acts in common business situations.
CO111.4	ANALYSING	OUTUNE the various facets of basic case laws of each Act from a legal and managerial perspective.
C0111.5	EVALUATING	DEVELOP critical thinking by making judgments related to use of various provisions of the Acts in business situations

The Contract Act, 1872: Essential Elements of Valid Contract, Essential elements of Valid Contracts, Contracts of Indemnity & Guarantee, Contingent Contract, Quasi Contract, Discharge of contract, Breach of contract-Meaning & remedies, Agency - Creation of Agency - Agent and Principal (Relationship/rights), Types of agency. (5+1)

Sale of Goods Act, 1930: Contract of sale of goods, Conditions & warranties, Transfer of property or ownership, 2. Performance of the Contract of Sale, Rights of unpaid seller, Sale by Auction. (5+1)

The Negotiable Instrument Act, 1881: Negotiable Instruments - Meaning, Characteristics, Types. Parties, Holder and holder in due course, Negotiation and Types of Endorsements, Dishonor of Negotiable Instrument - Noting and Protest. (5+1)

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### 1949 - ANGA Maylani Charlanian 2013 ChORS & ODE Politica Gugganizat Maĥavizato Diseñes

- liter says anat, Madiragal, Theopenes Learning, Bastling L
- Management, Relation & Conter, Frentice Hall of Hall of India, New Delid. 2.
- 5. Management Text & Cases, Satya Raja, MR, New Delli.
- 4. Management, Richard L. Braft, Technon: South-Wastern

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#### Course Outcomer: On successful completion of the course the learner will be chie to

8	COMMENT: ACCURE	COURSE OURCOMES
<b>CO141</b> 1		DESCRIPT the present state of index Economy and LEST renjor economic parties insues in the current context.
00308.2	LINCERSTANCEME	EXPLANT the economic development strategy since independence and DISCUSS the priorities in the current contact.
001063	APPENDE	fLUUSTRATE the economic impact of Minetaty policy and Rical Policy, Economic Reforms. Demographic Transition in India, Changing profile of GDP, Growth and inceptality and Tesde Policy in the Indian context.
C0108.4	AMALYSING	EXMANNE the changing profile of human capital, amployment, productivity and EXEMPLATE the lininges with Self: initiativations, growth of Start-ops, GDP composition of insta.
C0106.3	EVHLUATING	DETERMINE the law privily arous, scower various dimensions, for the Indian Economy in the context of carrent economic environment.
60108.8	CHEATING	BVNLD a case for co-pristance of MBCs, todion Public Sector, Indian Private Sector, Sidils, MSMis and Start Uppin the Indian Economy.

Perspective of Indian Economys Indian Economy as a Developing Economy, Basia Checasteristics Overview of onic Manning, Role of Monstery policy and Hicel Policy, Budget Naminology, Sconomic Growth, GDP and GDP Econ Trends. Mener Supply & Inflation, Inflation transfe, Hill - overview of cole and functions. Capital Mericats - overview of tole and functions, Concept of Perverty, Estimates of Powerty, Peyerty Line, Sectional: Reforms and Reduction of Powerty, Concept of Inclusion, News of Inclusive growth, Resected Inclusion, Concept of Hard & Solit Industructure, Hard Concept of memory, news or annume provide introductore, Weter management infrastructure, Communication Infrastructure, Solid under management, Berlin monitoring and manavering astronics. Solt infrastructure - Governments nitraturecture, Economic initraturecture, Social infrastructure, Offical Infrastructure, Urban Initraturecture, Graes infractingture, Education Infractingture, Health Infrastructure, (6)

Manan Resources and Scenaric, Development : The Theory of Caseographic Transition, Size and Growth Rate of Pepulation in India, Countitative Pepulation Geouth Differentiate in Different Countries, The Sar Councestion of Population, Age Compatibles of Population, Density of Population, Urbanization and Economic Growth In India, The Quality of Population, Population Projections (2001-2006), Consugraphic Dividend, Namus Development in India - The Concept and Measures of Human Convictment, Human development, India: for Various States in India, Automa Human Development Report, Changing profile of GDP and unplayment in India, GDP, Employment and Productivity per Worker in India, Ralative SMT in the Shores of MSDP and Employment in Agriculture, Industry and Services in Different States. (d) E. External competition of Ladian Scourcept Primary, Secondary, Tertilary Sectors, Issues in Agriculture sector in

india tand referred, Green Revolution and agriculture policies of incite , industrial development, , annell scale and cottage Industries, Industrial Policy, Public sector in India, Services surger in India, Areas of Markot Fallure and Need for State Incompanies, Rectaining the finite of the State, Uberalization, Privatization and Blabelization (LPC). Model of Development, Renning committeion w/s MTI Anyog, Public Versus Private Sector Onizate, Unorganized Sector and Jedis's Informal Scencery, AS

Expand Economic Power in India: FDI, Angel Investors and Start-ups, Unicorns, M&A, Investment Models, hèni Acts of State, PPP (Public Private Partmentup), Savingt and Investment Trands, Growth of Large Industrial Houses Since independence, Scowth of Monapalies and Cancentration of Economic Power in India, Compatition Policy and Computition Law, dreath and inequality, had a su an Conternic Deperpower, Growth of the Inches Middle Class, Indian MINUT: Mergers and Assaustitions, Colorencers, Nationalism and Globalization, Small scale and College Enterprises, The

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#### SPTV - Mile Resided Containing, Solar Carcill & Old Patient

Rate of Sandi-scale industries in Indian Economy, Powerty, Veloarshilloy and Unorganized Social Deployment-The High Cogres of Correlation, Estimate of Organized and Georgenized Workers. [4] 5. The Fereign Trade of Bullet Importance of Fereign Trade for a Daveloping Economy, Overview of Fereign Trade

Since Independence, Composition of Artis's Person Trade, Cleation of India's Person Trade, Subs's Salance of Permants on Correct Account, Salance of Persons India's Person Since the New Economic Reforms of JUST, India's Trade Policy, India's Foreign Trade Policy, An Ansheit of Trank in Superts and Imports. Special Leanney(: Super (SER)) An Overview. 65

Supported Text Bourks:

- 1. Indian Economy, Dott R and Sundharren C.P.M, 5 Chand, Delhi
- Indian Economy, Agenesi A. H., Vilce Publishing House, Delhi
- 9. Indian Economy, Misra S.K. and Pury Y.K., Minalaya Publishing House, New Delhi
- Business berironment, Judi S.K. Excel Books .
- 5. Scononic Reforms in toda A Critique, Outt Rudder, 5, Chend, New Delhi .

#### Suggested Reference Books:

- Economic Environment of Dosleess, Adultary, Saltan Chand and Sona
- Basiness, Government and Society, Secage A and Stainer & A. Macmillan
   Economic Environment of Dopiness , Glock, vilus
- Decisions Environment, Prancis Charanitary, Ministery Publishing House, Beinbury S. Industrial Economy of India. Kashing S.C. Chattanya Publishing House, Alishahad

Sumerior 1		169 – Entreprenanskip Development
2 Credite	KTP: 200	Generic Deather - Veterate Level

#### General Oniversity On severalishing an adultion of the course the learner will be able to

000	CONNERVE AGEITIES	COURSE OUTCOMES
	REMEMBERING	CENTRE the key bases, LEST the Attributes and Characteristics of Entrepresents features and BRILGERATE the Pactors influencing Entrepresentship Growth.
C0109.2	UNDERSTANDING	CECUTS various theories of extrementation and the extrementation development ecosystem in Italian context.
00109.3	APPLYING	APPLY the theories of extrepressureship and entropressureship, development from work to apply a and identify extrepressuring opportunities.
60308.4		DESCRIMINATE between polestial options evaluate for comprehence for empering on establishing a Start Up
CD108.5	evaluating	EVALUATE the start up occurring and the entroperaneurial opportunities in light of requirements of a business play.
<b>C3109</b> .6	CNEATING	CREATE a losinger sign that appends an approximation and validity of entropresent motivations, astrograment culture and sectoral opportunities and figuring options.

Extrepreneurship: Concept of Entrepresser, Interpressur, Entrepressorship and Maxager, Difference between 1. Eperspension and Introportions, Entroportion and Entroportionship. Acciliates and Connectations of successful entroproneurs. Punctions of an Entroprocess, Classification of Interprotects. Acts of Entroprometer in Index Economy, Developing antegronourist culture, Pectors infloancing Entroprometership Growth - Scanonic, Non-Economic Factors, For profit or Not for prafit entrepressure, Compression for the Growth of Entrepresented Culture, Entrepressurable as a casear, Extragramentation of a style of merogeneers, Energing Moniels of Corporate Extragramentation, technology, and a start up revealstian-Transfe, impacting, benefits, the players involved to the acception, Business incubances hand entragramentation, social entragramentation, wernes unbepresented, Came of Tata, Sider, Richards and new generation entragraments in India, (6)

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SPPU - MBA Revised Curriculum 2019 CBCGS & OBE Pattern

- 2. Business Communication, P.D. Chaturvedi, Pearson Education
- 3. Business Communication, T N Chhabra, Bhanu Ranjan, Sun India
- 4. Verbal and Non-Verbal Reasoning, Prakash, P, Macmillan India Ltd., New Delhi
- 5. Objective English, Thorpe, E, and Thorpe, S, Pearson Education, New Delhi

Suggested Reference Books:

- 1. Communication Skills for Effective Management, Hargie et. al., Palgrave
- 2. Communication for Business, Tayler Shinley, Pearson Education
- 3. Technical Communication, Anderson, P.V, Thomson Wadsworth, New Delhi
- 4. The Oxford Guide to Writing and Speaking, John Seely, Oxford University Press, New Delhi
- 5. Dictionary of Common Errors, Turton, N.D and Heaton, J.B, Addision Wesley Longman Ltd.

Semester I		114 - Enterprise Analysis - Desk Research
2 Credits	LTP: 0:3:1	Generic Elective – Institute Level

#### Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO114.1	REMEMBERING	DESCRIBE the key historical, organizational, market related, financial, governance, leadership and social responsibility dimensions of a real world business organization.
CO114.2	UNDERSTANDING	SUMMARIZE the regional, national and global footprint of a real world business organization.
CO114.3	APPLYING	DEMONSTRATE the use of secondary – offline and online resources to profile a real world business organization.
CO114.4	ANALYSING	ANALYSE, using tables and charts, the trends in market standing and financial performance of a real world business organization over the last 5 years.
CO114.5	EVALUATING	COMPOSE a succinct summary of future plans of a real world business organization the company website, shareholders reports and other information available in the public domain.
CO114.6	CREATING	IMAGINE the key challenges and opportunities for a real world business organization in the immediate future (1 to 3 years).

 Enterprise History & Background: Establishment, Original & Current Promoters, Business Group or Business Family to which it befongs, Vision-Mission-Philosophy – Values-Quality Policy, Brief profiles of the Chairman, CEO, MD, Members of Board of Directors along with their career highlights CSR Initiatives, Technical and other collaborations if any, Recent Mergers and Acquisitions, if any. (6)

2. Organization : Organization Structure, Geographical (domestic and global) foot print – at the time of inception and spread over the years, company's current head quarter worldwide as well as head quarter / corporate office in India, Manufacturing /Service locations Indian and major worldwide, Certifications if any – ISO / EMS / FDA / CMMI, etc. Online presence. Initiatives towards gender diversity, Initiatives towards social inclusion, Initiatives towards environment conservation. Current Talent needs. Key highlights of the company's website. (6)

3. Markets: Major Customers, customer segments, Products, Product lines, Major Brands, Market Share – nationally, region wise, product wise, Advertising Agency, Advertising Punch Line/Slogan, Logo, Key Alliances in the past 5 years & impact. Mergers & Acquisitions, if any. Technological developments. Dirsuptive Innovations affecting the organization. Labour unrest if any – reasons thereof and impact. Emerging potential competition through first generation entrepreneurs or global / local players. (6)

4. Financials: Data to be studied, tabulated, graphically depicted, analyzed and presented for last 5 years for the Revenues, Profitability, Market Capitalization, Segmented Revenues, Auditors. Listing status & Scrip Codes – BSE and NSE, Global Listings on International Stock Markets, Share Price Face Value, Current Market Value, Annual High Low Figures, P/E Ratio, Shareholding Pattern. (6)

 Governance: Philosophy, Action taken by SEBI If any, Involvement in Scams, Insider Trading Issues, Standard & Poor's Corporate Governance Scores, CRISIL Rating, Major Awards and Achievements of the Organization in the last 5 years. Forward looking statements of the top management. (6)

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Note:

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 3.
 Detailed study of alleast FIVE Systems and underlying Procedures, such as: (list is illustrative only)

- a) Attendance Recording System in a manufacturing / service organization.
- b) Employee scheduling in a retail mall.
- c) Facilities management and scheduling system in automobile workshop.
- d) Inventory Management
- e) Just in Time Inventory System in a manufacturing / service organization.
- f) Kitchen Order Ticket (KOT) System in a Restaurant.
- g) KYC verification system in a mutual fund house.
- h) Loan approval system in a cooperative bank.
- i) Maintenance system in a facility.
- j) On-boarding of new employees in a manufacturing / service organization,
- k) Payroll Management
- Performance Appraisal system in a manufacturing / service organization.
- m) Point of sale (POS) system in an organized retail store.
- n) Purchase Order System in a manufacturing / service organization.
- o) Quality Audit system
- p) Receivables Management
- q) Stock Taking system in a library.
- r) Warehouse management system.
- Presentation of individual/group projects

#### Suggested Text Book:

4.

1. Business Process Management - A Rigorous Approach, Martyn A Ould , British Computer Society, First South Asia Edition.

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- Ŧ Students should work in groups of 3 to 5 each under the guidance of a faculty,
- Students shall carry out an indepth study of any THREE Organizations of their choice. 2
- з. Organizations selected should demonstrate a variety across sectors, ownerships, size, and other key dimensions. 4. Students shall submit a structured detailed report.

Suggested Text Books:

- No text books are prescribed. 1.
- 2. The course has to be taught using the company annual reports and other publications, company website, social media feeds, business newspapers and business data bases such as ACE equity, CRISIL database, etc.

115 - Selling & Negotiations Skills Lab
Generic Elective - Institute Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO115.1	REMEMBERING	DESCRIBE the various selling situations and selling types.
CO115.2	UNDERSTANDING	OUTLINE the pre-sales work to be carried out by a professional salesperson.
CO115.3	APPLYING	IDENTIFY the key individuals involved in a reaf world safes process for a real world product/service / e-product / e-service.
C0115.4	ANALYSING	FORMULATE a sales script for a real world sales call for a product/ service / e- product / e-service.
CO115.5	EVALUATING	DECONSTRUCT the pros and cons of sample real world sales calls for a product/ service / e-product / e-service.
CO115.6	CREATING	DEVELOP a sales proposal for a real world product/service / e-product / e- service and for a real world selling situation.

Basics of Selling: Importance of Selling. Role in the context of organization - survival and growth. Types of Selling Different in selling situations, New business versus service selling, Newton's classification of sales types, McMurry & Arnold's classification of selling types, Consumer indirect selling, Industrial selling, Missionary, Sales Team/group selling Merchandicing, Telesales, Franchise selling, International selling. (5)

 Pre-Selling Work : Attributes of a Good Salesperson - Personality & physical characteristics, Enthusiasm, Confidence, Intelligence, Self-worth, Knowledge-product, Competition, organization, market, customer, territory; People Buy From People, Communication skills, Persuasive skills, Personal Diary, Time management, Managing Sales Documents and collaterals management. Fear Factor in Sales. Maximising Productivity in a Sales Role, Meetings and Your Time, The Telephone - Social Media & Online Data Bases as a Sales Tools, Developing Your Script, Mailers, Pre-Call Planning, Generating Appointments. (7)

Selling in Action: Identifying Key Individuals - Prospecting, Influencers and Decision Makers, Talking to the Right з. Individuals, Making that Good First Impression, How to Win Friends and Influence People, Dale Carnegies Six Principles of Relationship, What's in it For Me7, Honesty and Integrity. (5)

Objection handling: Analyzing the Reasons for Objections, Seeing What We Can Do, Listen - Probe - Advise (L-P-A), Exercise: Objection Handling, Uncovering Objections, Seven Types of Objections, Turning Objections into Selling Opportunities, Selling Techniques; Cross Selling, Up Selling, Value Added (Suggestive) Selling, Advancing Opportunity, Exceeding Customer Expectations, Giving Recognition. (6)

Sales Conversation, Negotiation & Closure: Starting a Quality Prospecting Conversation, Listeners Control 5. Conversations, Trial Closing, Creating an Opportunity: Situation vs Problem Questions, Difficulty Questions, Negative and Positive Answer Questions, Directive Questions, Rhetorical Questions, Problems with Positional Bargaining, Opening Up the Negotiation, Approaches to Better Negotiation, You Have Alternatives, Reverse Psychology in Negotiation, Sales Proposais: How to Construct a Sales Proposal, Important Factors to Consider, Putting It All Together. (7)

Note: 1.

The course should be delivered from a skills building perspective. 2.

Principles should be supplemented by live exercises on personal selling

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STATE - MILA Andread Curriculum 2019 CHICAG & ORE Polymer Text Realize

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- Letting & Sales Management, Geoffrey Lancaster & Devid Jobber, Macrothan India Uni. Negotiation: Communication for diverse settings, Mitched L Sprangle and Alges Isoritant, Sage South Asia Edition The Sales Bible: The Ultimate Sales Resource, Settings (Blomer, Wiley India 2
- 3. How to win intends and influence Pauple, Date Carnegit
- 4.
- The Art of Closing the Sale, Orian Tracy, Pearson Education. ٤.

- Suggested Reference Cooles: 1. July: Management, Bill Denskinger, Palgrave Publications
- You can negatize anything, Herb Cohen 2
- Alternating Safes Lands, Crocker and Obermayer, American Marketing Association 3.

		114 - Mé Excel
Semester i		Generic Elective - Institute Level
2 (74)	LTP: 04 <u>0</u>	

#### which completion of the course the learner will be place to

<b>CC</b> #	COQUERNAL MARITIES	COURSE OUTCOMES SELECT repropriate memory and functions of MS Encal to Create, Persons, Import, SELECT repropriate memory and functions of MS Encal Interest (MA).
	REMEMORY	SELECT appropriate mentals and approximate a charts using business data.
CO116.7	UNDERSTANDING	Marge, Sara, role and busic troubleshooting and fit mistakes must people make show how to do busic troubleshooting and fit mistakes must people make when working with spreadshouting
CO1163	APPENING	when working with spreadtharty. USE various functions of USE Speet, Execute photo mbia analysis, common (part powerful functions), and different types of (onlyge (viscolage, bioologe, and index/match).
001864	AMALYSING	Index/instably. REQUIREMANTE the same of the most commonly used data-manipulation commands in MS Early!
C0110-3	EVALUATING	AS Societ. Outside insights from multiple data sources in MS OKCID, and work with it to antimity minerary builtness questions.
COLLEAN A	CREATING	anguair relevant builtness questions. Otterte standard facul Templates for routine business data menagement and analysis activities.

introduction to Sprandaheets - Understanding Microsoft Excel, Secul Worldook Windows, Basic Sprauduhast Stills, Excel Help System, Opening and Closing Warkbooks, Understanding Workbook File Formate, Creating New Workbooks, Selecting Cells, Auto Sam and Auto FM Panetice, Cell Referencing and Request, Formatting Cells, Formatting Numbers, Flacing Cell Alignment, Cell, furits and Columns, Understanding Wontsheets, Editing, Capying and Maving Cells, Page Layouts in Each, Proofing Workbooks, Sasis Options, Wildows and Toolbar. (4)

Colleging Harnes in Excel, Serving Data, Uring Occel Tables, Filturing Date in Excel, Understand Charts, Chart Cesh Options and Tools, Chart Formst Tools, Combo Charts, Functions within Excel, Understanding Data Function, Information Punctions, Logical Punctions, Find and Replace, Needars and Pooters, Adding Comments, Conditional Perventing, (5)

Lising Fact to Columnts, The Pasta Special Function, Data Validation, Subtotnia and Broughing, Consolidating Cotta. Scenario Analysis, Date Tables in Scenario Analysis, What's Analysis, Main and Trig Punctions, Text Punctions in Excel, Using Lookup Punctions, Viockups, H. Colarge, Match, Main Statistical Functions, Database Functions, Practical Functions, Formule Auditing and Error Tracing, HyperBuis in Boost, Linking Data, Understanding Pivot Tables, Using Pivot Charts, Workbook Preparties, Protecting and Sharing Worksheets, Data Encrypting and Finalding Viorithmoid, Understanding Atarros, Caston Alamber Formets in Boost, Using Castons Lists, Working with Templates, Tracking Changes in Excel, Alonging and Compare Sand Workbooks. (7)

Using Pires tables -- Shears disport Pilters for basic analytist, Contact Messagement and Marketing With Excel, Alenaging Dustomers, Venders And Employees, Galaring Predact And Service Insights, Sales reports using Each. Supervising Sales With Ecol, Perparing Invelore, Associate Account Aging, Analyzing Demographics, Country Schoolding And Marketing Columbers, Crimting Standard Excel Templetes for section backness data management and analytic

5. Managing Money With Escel, Building & Tracking Budgets, Planning And Tracking Looss, Reeping Account Registers, Creating Formulas for Financial Applications, PA, FMR, NPER, RADE, Creating Estance Sheat, Investment Calculations, Depreciation calculations, Lab based Evaluation, Georging Business Status with Ecosi, Configuring Cash Flam

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SPPU · MBA Revised Curriculum 2019 CBCG5 & OBE Pattern

5. Henry J Johansson, H J Johansson, Mo, Business Process Reengineering, Wiley

	Generic Courses (Electives) -	Institute Level – Semester I & II
Semester I		113 - Verbal Communication Lab
2 Credits	LTP: 0:3:1	Generic Elective – Institute Level

Course Outcomes: On successful completion of the course the learner will be able to

CO#	COGNITIVE ABILITIES	COURSE OUTCOMES
CO113.1	REMEMBERING	RECOGNIZE the various elements of communication, channels of communication and barriers to effective communication.
CO113.2	UNDERSTANDING	EXPRESS themselves effectively in routine and special real world business Interactions.
CO113.3	APPLYING	DEMONSTRATE appropriate use of body language.
CO113.4	ANALYSING	TAKE PART IN professional meetings, group discussions, telephonic calls, elementary interviews and public speaking activities.
CO113.5	EVALUATING	APPRAISE the pros and cons of sample recorded verbal communications in a business context.
CO113.6	CREATING	CREATE and DELIVER effective business presentations, using appropriate technology tools, for common business situations.

 Basics of Communication: Communication elements and process, Need of Communication Skills for Managers, Channels, forms and dimensions of communication, Verbal and non-verbal communication, Principles of nonverbal communication - through clothes and body language, Persuasive communication: the process of persuasion, formal and informal persuasion, Barriers to communication and how to overcome the barriers, Principles of effective communication.
 (5)

 Speaking : Characteristics of effective speech, voice quality, rate of speaking, clear articulation, eye contact, use of expressions, and gestures and posture; Types of managerial speeches: speech of introduction, speech of vote of thanks, occasional speech, theme speech, formal speeches during meetings. (5)

3. Soft skills: How communication skills and soft skills are inter-related, Body language-posture, eye-contact, handling hand movements, gait - Voice and tone, Meeting and Boardroom Protocol - Guidelines for planning a meeting. Before the meeting, On the day of the Meeting, Guidelines for Attending the meeting. For the Chairperson, For attendees, For Presenters, Telephone Etiquette, Cell phone etiquette, Telephone etiquette guidelines, Mastering the telephone courtesy, Active listening, Putting callers on hold, Transferring a call, Screening calls, Taking a message, Voice Mall, Closing the call, When Making calls, Closing the call, Handling rude or impatient clients, Cross-cultural communication, cultural sensitivity, Cross-cultural issues which affect Communication across different Cultures, Culture and non-verbal communication, Effective intercultural communication, Business and social etiquette. (7)

4. Presentation skills: Principles of Effective Presentations, Planning, Structure and Delivery, Principles governing the use of audiovisual media, Time management - Slide design and transition: representation of textual information into visuals for effectiveness of communication - Style and persuasiveness of the message - Adherence to the number of slides, Dynamics of group presentation and individual presentation. (5)

5. Interviews: Essentials of placement Interviews, web Avideo conferencing, tele-meeting, Impression Formation, Tactics, The Self-presentational Motive, The Compass Qualities; First and Lasting Impressions; Magic Pills; Toxic Traits; The Social Context: Norms and Roles, The Target's Values, Physical Appearance; Communication Style; Content of Communication; Actions; The Environment; Success; Changing from the Outside-In, Current Social Image, The Private Self, Worrying about Impressions. (5)

#### Note:

- The entire course should be delivered with a skills development focus.
- Video recordings of student's performances (speaking tasks) should be carried out and used for intensive reviews for performance improvement.

#### Suggested Text Books:

I. Business Communication Today, Bovee C L et. al., Pearson Education

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SPEL-MER Receip Conceller 2019 Charles & DEL Re-

Baramenta, Resolving Business Ratios, Creating Standard Ease Templates for routine business data management, and epite to the IR

North:

200 Preserve course should be belivered in the computer list in in application priented name.

Business Replications should be streaks rather than merely basching base as a software.

Suggested Text Books:

- Breel 2018 Bible, John Wilkerbach, John Wiley & Sons 1
- Sees: Formulas & Functions, Robert Dinancidie
- 1 But 2007 for Dominies by Sing Harvey
- 4. New Personal was an Microsoft Office Back 2007
- 5. Microsoft Size 2716 Step by Step, Cartle Frye

Service | 117 - Business Systems and Procedures 2 Credits 177:084 Semenic Elective - Institute Level

Course Outcomes On successful consistion of the source the learner will be able to

E0#	COENTRY SABILITIES	COURSE OUTCOMES
00001	REMEMBERING	TABLEATE the key elements of a typical business system and related work from processing.
005512	UNDERSTANDING	ERAN a bushes paten and reisted procedures.
000013	APPLYING.	FREDICT the fail points / bottle nexts in any pical business process.
00117.4	ANALYSINS	953X DOWN a business years into simpler components and explain the inter- relationships.
00117.5	EVALUATING	00/910Pe process based thinking scorpacity.
00227.6	CREATING	CREATE instructions proceedings and flow charts / other visual representations for typical business systems and processes.

Business Systems and Procedures: Context and next - Classifianistics of a good procedure. Writing a Sciencerch Operating Procedure (SOF) - Procedure (certification - Information Easthening-InterViewing - Analysis - Writing -Implementation - Review- Identifying Fall Points - Res-funing, Process Mapping Tools - Ald Memoir - Rowthert - Swim Lane Diagrams - Row Charling Software - Using MS Word and Excel for Rowcharting - Date Studies. Re-engineering information flow and paper flow - Process Mapping for Correct and Petters State Map.

Systems Study: Process Mapping, Improvement and Writing SOP's for an endity range of activities for a typical 1 business propers in a manufacturing/service organization. Students should visit appropriate organizations to study the real life processes. 5.

Detailed study of atleast RVE Systems and underlying Procedures, such as: (list is illustrative only)

- a) Attendance Recording System in a manufacturing / service organization.
- b) Employee scheduling in a retail mall,
- r) Reclides management and scheduling system in automobile workshop.
- d) Inventory Management
- e) Just in Time Inventory System in a manufacturing / service organization.
- f) Kitchen Order Ticket (KOT) System in a Restaurant.
- E) KYC ventication system in a mutual fund house.
- h) Loan approval system in a cooperative bank.
- Maintenance system in a facility.
- On-boarding of new employees in a manufacturing / service organization. 0
- (c) Payroll Management
- Performance Appraisal system in a manufacturing / service organization. 0
- m) Point of sale (POS) system in an organized retail store.
- n) Purchase Order System in a manufacturing / service organization.
- e) Quality Audit system
- p) Receivables Management
- q) Stock Taking system in a library.
- r) Warehouse management system.

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# Savitribai Phule Pune University

Code	Subject	Teaching Scheme Hrs / week			Examination Scheme					Total	Credits	
-		Lecture	Tut	Pract	In Sem	End Sem	1 1 10	PR	OR	Marks	Theory	TW/ Pr/OR
402041	Hydraulics and Pneumatics	3	-	2	30	70	25		25	150	3	1
402042	CAD CAM Automation	3		2	30	70	25	50		175	3	1
402043	Dynamics of Machinery	4		2	30	70	25		25	150	4	1
402044	Elective-I	3		2	30	70	-	-		_	-	
402045	Elective-II	3	-	*		70	25		•	125	3	1
402046		3	•	_	30	70	•	÷.,	-	100	3	
102040	Project-I	-		4	-	-	25		25	50	-	2
-	Total	16		12	150	350	125	50	75	750	16	6
					1.1			50	13	750	22	

### B. E. (Mechanical) (2015 Course) Semester - 1

## B. E. (Mechanical) (2015 Course) Semester - II

Code	Subject	Teaching Scheme Hrs / week				Examinatio	Total	Credits				
		Lecture	Tut	Pract	In Sem 4	End Sem	TW	PR	OR	Marks	Theory	TW/ Pr/OR
402047	Energy Engineering	3	-	2	30	70	25		25	150	3	1
402048	Mechanical System Design	4	+	2	30 (1.5 Hrs)	70 (3 Hrs)	25		50	175	4	1
402049	Elective-III	3		2	30	70	25			125	3	
402050	Elective-IV	3	- 1	•	30	70				100		1
402051	Project-II		-	12		•	100		100	200	3	6
	Total	13	-	18	120	280	175		175	750	13	9
			-	-				-			2	,

	Elective - J	Elective - II				
Code	Subject	Code	Subject			
402044 A	Finite Element Analysis	402045 A	Automobile Engineering			
402044 B	Computational Fluid Dynamics	402045 B	Operation Research			
402044 C	Heating Ventilation and Air Conditioning	402045 C	Energy Audit and Management			
		402045 D	Open Elective**			

_	Elective - III	Elective - IV				
	Tribology	402050 A				
402049 B	Industrial Engineering	402050 B	Solar & Wind Energy			
402049 C	Robotics		Product Design and Development			
_		402050 D	Open Elective**			

Faculty of Science and Technology

Mechanical Engineering



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Into T 1 21 4 1 4 4 A. 7 4 ren i d 21 In-Semester Exam, ESE: End-Note: Interested students of TE (Automobile Engineering and Mechanical Engineering) can opt for of audit courses prescribed by BOS (Automobile and Minimum number of Experiments/Assignments in PR/Tutorial shall be carried out as mentioned Assessment of tutorial work has to be carried out similar to term-work. The Grade cum marks for Credit. INT -ЯЧ S 6 a. 4 1 150350 100 50 50 700 15 HL - 120280 200 50 50 700 12 m m en: ŝ in Composite Materials Surface Engineering 125 125 150 125 125 100 150 125 100 100 1810 T 50 25 20 **Examination Scheme** 20 Elective-II Tutorial and Term-work shall be awarded on the basis of continuous evaluation. 25 25 25 OB . 25 Undergraduate Program - Mechanical Engineering (2019 pattern) and Marks 16 1 . r 50 Board of Studies - Automobile and Mechanical Engineering M 50 ٠ . 1 . ÷ Practical/Tutorial must be conducted in FOUR batches per division only. 100 25 50 20 ML 25 50 . . 20 30 70 20 202 20 20 ESE 02 20 . × Tutorial, ISE: Savitribai Phule Pune University 302052-A 30 30 30 30 30 ISE 30 30 302052-B 4 Teaching Scheme (Hrs/week) TUT . 4 . ۰. ٠ 10 14 ЪВ 2 è4 ÷4 N N N 01 N ė. N d Semester-VI Semester-V 15 HL 12 m en. m) Advanced Forming & Joining Processes m 3 ŝ ŝ ÷ . LOL 302049 Artificial Intelligence & Machine Learning Machining Science & Technology Abbreviations: TH: Theory, PR: Practical, Semester Exam, TW: Term Work, OR: Oral any one of the audit course from the list 302046 Digital Manufacturing Laboratory 302054 Fluid Power & Control Laboratory 302041 Numerical & Statistical Methods Design of Transmission Systems Course Name 302043 Design of Machine Elements 302050 Computer Aided Engineering in the syllabi of respective courses. Total 302053 Measurement Laboratory Internship/Mini project \* **Fotal** 302042 Heat & Mass Transfer Elective-I 302047 Skill Development Audit course - VI<sup>3</sup> Mechanical Engineering) Audit course -302044 Mechatronics Elective I Elective II Instructions: Course 302045-A 302045 302045-B Code 302052 302051 302055 302056 ٠

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<sup>5</sup>Audit course is mandatory but non-credit course. Examination has to be conducted at the end of å shall not Grade awarded for audit course Semesters for award of grade at institute level. calculated for grade point & CGPA.



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