Course outcomes of all courses					
	Second Year-I				
• Course n	• Course no. • Course code • Course name				
• C301		• BTBS301	Engineering Mathematics – III		
• COs	• After	the successful completion of thi			
5 203	to:	the successful completion of the	is course student will be usic		
• 1		Lanlace Transforms of eleme	entary functions by applying		
		ble property and/or suitable			
• 2		Inverse Laplace Transforms			
		ing suitable property and/or			
• 3	• Write	the Fourier Integral of elem-	entary functions by		
	apply	ing suitable formula also pro	oblems related to Fourier		
	trans	forms to domain specific pro	blems.		
• 4		ulate Partial Differential Equ			
		ary constants and functions	· ·		
	_	ctive domain, also solve ther	n using appropriate		
	techn	•			
• 5		k the Analyticity of given fun			
	properties as and when required, construct analytic function				
	-	suitable technique. Perform	_		
Course n	complex functions by using suitable technique. • Course code • Course name				
			Discrete		
• C302		• BTCOC302	Mathematics		
• COs	After the successful completion of this course student will be able				
	to:				
• 1	• To de	velop understanding of Logic	e Sets and Functions.		
• 2		e mathematical reasoning to	echniques including		
		etion and			
	• recur		n. 41 i		
• 3		iderstand and apply countin sentation and	g techniques to the		
	_	acterization of relational con	cepts.		
• 4		velop an understanding of h	•		
	are u	-			
		ve problems arising in the co	_		
• 5		To communicate the solutions of technical problems to other			
	professionals and to develop improved collaborative skills				
• Course n	0.	Course code	Course name		
• C303		BTCOC303	 Data Structures 		

• COs	 After the successful completion of this course student will be able to: 			
• 1	Students are able to understand the concept of Dynamic memory management, data types, algorithms, Big O notation.			
• 2		ents are able to understand l rays, linked lists, stacks and		
• 3		ents are able to describe the lision and its resolution met	hash function and concepts hods	
• 4	• Stude	ents are able to solve probler neaps	n involving graphs, trees	
• 5	• Stude	ents are able to apply Algorit	hm for solving problems	
		orting, searching, insertion a		
Course no	0.	• Course code	Course name	
• C304		• BTCOC304	Computer Architecture & Organization	
• COs	 After t 	he successful completion of this co	ourse student will be able to:	
• 1	• To lea	arn how computer works		
• 2		arn the basic instruction set		
• 3	Analyze the performance of Computer			
• 4		rstand the designing of com		
• 5				
	Understand the design of control unit			
Course no	0.	• Course code	• Course name	
• C305		• BTCOC305	 Elective –I (b) Object Oriented Programming in Java 	
• COs	• After to:	the successful completion of thi	is course student will be able	
• 1	• To Ex	plain Features of object-orie	ented Programming	
• 2	To learn control flow statements in Java.			
• 3	To learn how to use array in Java. how to pass arrays to method in java			
• 4	To learn how to extend Java classes with inheritance and dynamic binding.			
• 5	To learn how to use exception handling in Java applications, able to explain what is JavaScript and able to write client side scripting.			
Course no	0.	Course code	Course name	
• C306		• BTCOL306	Data Structures Lab	
2300		DICOLOG	Data bilactures Dab	

			& Object Oriented Programming Lab	
• COs	• After	the successful completion of thi		
	to:			
• 1	• To Ex	xplain Features of object-orie	ented Programming	
• 2	• To lea	arn control flow statements i	n Java.	
• 3	• To lea	arn how to use array in Java	. how to pass arrays to	
	meth	od in java		
• 4		arn how to extend Java class	ses with inheritance and	
		mic binding.		
• 5		arn how to use exception has		
		to explain what is JavaScript	t and able to write client	
• Course no		scripting.	Correge mores	
• Course no	•	• Course code	• Course name	
• C307	A C	• BTCOS307	• Seminar – I	
• COs		the successful completion of thi	is course student will be able	
	to:			
• 1		emonstrate a sound technica	al knowledge of their	
. 2		ted seminar topic		
• 2		ndertake problem identificati		
• 3	TO formulate and solution for a Problem			
• 4	 To Design engineering solutions to complex problems utilizing a systems approach 			
		ovide Effective presentation	and improve soft skills	
Course no		Course code	Course name	
- Course no	<u>'•</u>	- Course code	Field Training /	
			Internship /	
• C308		• BTES211P	Industrial Training	
			Evaluation	
• COs	• After	the successful completion of thi	s course student will be able	
	to:			
• 1	Integrate theory and practice.			
• 2	Apply various soft skills such as time management, positive			
		attitude and communication skills during performance of the		
_		assigned in internship orga		
• 3		mine the challenges and pot	•	
		nship organization in particu	liar and the sector in	
• 4	gener		compiling the brief history	
4		truct the company profile by agement structure, products		
	mana	Sometic off deciding, products	, services offered, Rey	

	achievements and market performance for his / her			
	organ	ization of internship. • Second Year-II		
Course n	0	• Course code	Course name	
• C401		BTCOC401	Design & Analysis of Algorithms	
• COs	• After to:	the successful completion of thi	s course student will be able	
• 1	 Analy 	ze the asymptotic performar	nce of algorithms	
• 2	• Famil	liar with major algorithms		
• 3	 Apply of ana 	[,] important algorithmic desig alysis	gn paradigms and methods	
• 4	• Synth situat	nesize efficient algorithms in tions	engineering design	
Course n	0.	• Course code	• Course name	
• C402		• BTCOC402	Operating Systems	
• COs	 After the successful completion of this course student will be able to: 			
• 1	 Identify the role of the operating system as a high-level interface to the hardware 			
• 2	Understand the Memory Management Strategies for Memory management			
• 3	Illustrate the low-level implementation of CPU dispatch and scheduling			
• 4		appropriate knowledge for l pronization	handling Deadlock, Process	
• 5		ne the need to handle I/O de agement strategies	evice with memory	
• Course n	0.	• Course code	Course name	
• C403		• BTHM403	Basic Human Rights	
• COs	 After the successful completion of this course student will be able to: 			
• 1	• Unde	rstand the history of human	rights.	
• 2	Learn to respect others caste, religion, region and culture and Be aware of their rights as Indian citizen			
• 3	Realize the philosophical and cultural basis and historical perspectives of human rights.			
• 4	• Make	them aware of their respons	sibilities towards the nation.	

Course n	0.	• Course code	• Course name	
• C404		• BTBS404	 Probability Theory and Random Processes 	
• COs	• After	the successful completion of thi	s course student will be able	
	to:			
• 1	apply	nderstand the different appro the laws of addition and mu	altiplication theorem with	
		elp of properties of probabili- ples based on Inverse proba	· ·	
• 2		stinguish between discrete a		
_	varia	bles. Be able to compute & innce & S.D. for discrete data.		
• 3	& tes	mpute & interpret the Karl p t for significance. Compute & correlation coefficient.	person correlation coefficient interpret the spearman's	
• 4	coeffi	 To Solve examples on regression lines, angle between them & coefficient of regression with the help of theorems and examples. 		
• 5		nderstand estimation and sa Hypothesis's	mple estimation. And try to	
• Course n	0.	• Course code	• Course name	
• C405		• BTES405	Digital Logic Design& Microprocessors	
• COs	After the successful completion of this course student will be able to:			
• 1	• Use the basic logic gates and various reduction techniques of digital logic circuit in detail.			
• 2	• Desig	gn combinational circuits.		
• 3	• Desig	gn Sequential circuits.		
• 4	Understand the architecture of 8086			
• 5	Understand 8086 instruction set and programming's			
Course n	0.	Course code	Course name	
• C406		BTCOL406	Operating Systems& PythonProgramming Lab	
• COs	• After to:	r the successful completion of this course student will be able		
• 1		ify the role of the operating s face to the hardware	ystem as a high-level	

• 2	Understand the Memory Management Strategies for Memory management			
• 3	Illustrate the low-level implementation of CPU dispatch and scheduling			
• 4	 Apply appropriate knowledge for handling Deadlock, Process Synchronization 			
• 5		ne the need to handle I/O de agement strategies	evice with memory	
• 6	of Py	o learn installation, fundame thon programming.	,	
• 7	decis	quaint with data types, inpu ion making, looping and fun	ctions in Python.	
• 8	hand	o acquaint with the use and ling and file handling in Pyth	non.	
• 9	Pytho			
• 10 • Course n		o learn Programming with da • Course code	• Course name	
	0.			
• C407 • COs	• After	BTCOS407 the successful completion of this	Seminar – II course student will be able	
Cos	to:	-		
• 1	a tho	stablish motivation for any to ught process for nical presentation.	opic of interest and develop	
• 2	• To On	rganize a detailed literature s		
• 3		erform Analysis and compreh	_	
• 4	• TO M			
• 5	• Effec	tive presentation and improv	re soft skill	
• Course n	0.	• Course code	• Course name	
• C408		• BTCOF408	 Field Training / Internship / Industrial Training Evaluation 	
• COs	 After the successful completion of this course student will be able to: 			
		the successful completion of thi	s course student will be able	
• 1	to:	rate theory and practice.	s course student will be able	

	tasks assigned in internship organization.			
• 3	 Determine the challenges and potential for his / her 			
	internship organization in particular and the sector in			
	gener	al.		
• 4	• Cons	truct the company profile by	compiling the brief history,	
		igement structure, products		
		vements and market perforn	-	
	organization of internship.			
• 5	•	-		
		• Third Year-I		
• Course n	0.	• Course code	Course name	
• C501		BTCOC501	Database System	
• COs	• After	the successful completion of thi		
	to:			
• 1	• Analy	ze and design Database Mar	nagement system using E-R	
	-	am and convert	2, 2, 2, 2, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	
	_	relationship diagrams into	RDBMS	
• 2		olement database queries us		
_	calculus			
• 3	Implement database queries using structured query language			
• 4		<u>-</u>		
• •	 Normalize the database design using normalization process and its various forms 			
• 5			nt and concurrency control	
	 Apply the transaction management and concurrency control concepts in real time 			
	• examples			
Course n	0.	Course code	Course name	
			Theory of	
• C502		• BTCOC502	Computations	
• COs	• After	the successful completion of thi	•	
	to:	and advector of implement of the	and the state of t	
• 1				
1	Students will be able to build regular expressions for given **Total and the state of the			
	regular language.			
• 2	Students will be able to illustrate different types of automata			
• 3	Students will be able to explain regular and non-regular			
	languages.			
• 4		ents will be able to solve con		
• 5		ents will be able to introduce		
	Push	down automata and Turing i	machine's	
• Course n	0.	 Course code 	• Course name	
• C503		• BTCOC503	Machine Learning	

• COs	 After the successful completion of this course student will be able to: 			
• 1	Regular language.			
• 2	• Stude	Students will be able to Classify supervised, Unsupervised & reinforcement learning problem		
• 3	• Stude probl	ents will be able to Design so ems.	olution to regression	
• 4		ents will be able to Solve cluesults.	stering problems & evaluate	
• Course n	0.	• Course code	Course name	
• C504		• BTCOE504	Elective –III (a) Introduction to research	
• COs	• After to:	the successful completion of th	is course student will be able	
• 1	• Unde	rstand the different steps in	volved in Research Process	
• 2	• Cond	uct literature survey for spe	cific domain in Research	
• 3	Decide the appropriate Modeling Skills, Experiment Skills and Data Analysis methodology used for carrying out Research.			
• 4		uct Technical writing, Reportearch	rt writing on specific domain	
• Course n	no. • Course code • Course name			
• C505		• BTHM505	Elective-III (b)Business communication	
• COs	After the successful completion of this course student will be able to:			
• 1	Apply business communication strategies and principles to prepare effective communication for domestic and international business			
• 2	Identify ethical, legal, cultural, and global issues affecting business communication.			
• 3	Participate in team activities that lead to the development of collaborative work skills.			
• 4	 Select appropriate organizational formats and channels used in developing and presenting business messages. 			
• 5	Express an effective oral business presentation			
			T T T T T T T T T T T T T T T T T T T	
Course n	_	• Course code	Course name	

			programming -I	
• COs	• After to:	the successful completion of thi	s course student will be able	
• 1	• Analy	ze (decode) the problem stat	ement given	
• 2		an algorithm for given probl	_	
• 3	• Expla	in the flowchart for algorithment	m written for problem	
• 4		and explain the data structur em statement	res required to solve the	
• 5	 Imple states 	ement program for algorithm ment	for given problem	
• 6		rentiate between the program er one for given problem state		
• 7	• Use f	unctionalities to solve proble	m statement	
Course no).	• Course code	• Course name	
• C507		• BTCOL507	 Database System Laboratory 	
• COs	 After the successful completion of this course student will be able to: 			
• 1	 Analyze and design Database Management system using E-R diagram and convert entity relationship diagrams into RDBMS 			
• 2	 Imple calcu 	ement database queries usin lus	g relational algebra and	
• 3	• Imple	ement database queries usin	g structured query language	
• 4		alize the database design us ts various forms	ing normalization process	
• 5		the transaction management epts in real time examples	nt and concurrency control	
Course no) .	• Course code	• Course name	
• C508		• BTCOL508	Machine Learning Laboratory	
• COs	After the successful completion of this course student will be able to:			
• 1	Students will be able to design solution to classification problems			
• 2		Students will be able to Classify supervised, Unsupervised & reinforcement learning problem		
• 3	Stude probl	ents will be able to Design so ems.	lution to regression	

• 4	• Students will be able to Solve clustering problems & evaluate the results.				
• Course n	0.	 Course code 	• Course name		
• C509		• BTCOS509	• Seminar		
• COs	• After to:	the successful completion of thi	s course student will be able		
• 1	• techn	nin the students in preparing ical topics			
• 2	increa	arify, deepen the understand ase dence and presentation skill			
• 3	study	entifying topics of interest re and make presentation			
• 4		aild Confidence while perform			
• 5		rive presentation and improv			
Course n	0.	Course code	Course name		
• C510		• BTCOF411	 Field training internship industrial training evaluation 		
• COs	 After the successful completion of this course student will be able to: 				
• 1	• Integr	rate theory and practice.			
• 2	 Apply various soft skills such as time managem ent, positive attitude and communication skills during performance of the tasks assigned in internship organization. 				
• 3	Determine the challenges and potential for his / her internship organization in particular and the sector in general.				
• 4	Construct the company profile by compiling the brief history, management structure, products / services offered, key achievements and market performance for his / her organization of internship.				
	Third Year-II				
• Course n	0.	• Course code	Course name		
• C601		• BTCOC601	• Compiler Design		
• COs	 After the successful completion of this course student will be able to: 				
• 1	Acquire knowledge of different phases and passes of the compiler Students will also be able to design different types				

	of compiler tools to meet the requirements of the realistic constraints of compilers			
• 2	Understand the parser and its types i.e. Top-Down and Bottom-up parsers and construction of LL, SLR, CLR, and LALR parsing table.			
• 3		ribe intermediate code repres and DAG has as well as use		
		mediate code in the form of t sentations.	hree address code	
• 4	instru	rstand the target machine's action set for code generation optimization		
• 5		marize various optimization t low analysis.	techniques used for	
• Course n	0.	• Course code	• Course name	
• C602		• BTCOC602	• Computer Networks	
• COs	• After	the successful completion of thi	s course student will be able	
	to:			
• 1	•	ze the requirements for a give	_	
		to select the most appropriate networking architecture,		
• 2	 topologies, transmission mediums, and technologies Demonstrate design issues, flow control and error control 			
	Illustrate Client-Server architectures and prototypes by the			
		is of correct standards and to		
	netwo	orks and wide area networks		
• 3	•	1		
		sport and Network Layer Pro		
• 4		onstrate different routing and		
• 5		rate applications of Computer		
Course		tion and usage for various se	-	
Course no	0.	Course code	• Course name	
• C603		• BTCOE603	• Elective-V(b) Artificial Intelligence	
• COs	• After	the successful completion of thi	s course student will be able	
	to:			
• 1	To understand concepts of artificial intelligence			
• 2	To explain intelligent Agent and types of Environment?			
• 3	To elaborate what is constraint , types of constraints			
• 4	 To explore Different types of algorithms like BFS, DFS, IDDFS, A*, RBFS etc. 			

Course n	0.	• Course code	• Course name	
• C604		• BTCOE 604	 Internet of Things 	
• COs	• After	the successful completion of thi	s course student will be able	
	to:			
• 1	• Stude:	nts can describe the IOT netwo	rk Architecture	
• 2	 Comp 	are smart objects and associated	l technologies for deployment	
	in the	network		
• 3		ibe IP layer and application pro		
• 4		rate Data and Analytics for IOT		
• 5	• Build	IOT application with Arduino	& Raspberry pi	
Course no	0.	• Course code	Course name	
			• Elective-VII	
• C605		• BTCOE605	(c)Consumer	
- CO-	- A ft au	the averageful completion of thi	Behavior	
• COs	• After to:	the successful completion of thi	s course student will be able	
• 1		thusings communication of	trataging and principles to	
• 1		business communication stare effective communication is		
	international business			
• 2		14011419 00111041, 10841, 041104141, 4114 810041 1004100 4110001118		
• 3	business communication.Participate in team activities that lead to the development of			
		oorative work skills	lead to the development of	
• 4	Select appropriate organizational formats and channels used			
	in de	veloping and presenting bus	iness messages.	
• 5	• Expre	ess an effective oral business	presentation	
Course n	0.	• Course code	• Course name	
• C606		BTCOC606	 Competitive 	
			Programming II	
• COs	 After the successful completion of this course student will be able 			
1	to:			
• 1	Analyze (decode) the problem statement given			
• 2	Write an algorithm for given problem statement Description Des			
• 3	 Explain the flowchart for algorithm written for problem statement 			
• 4	• List a	List and explain the data structures required to solve the		
	probl	em statement		
• 5	_	Implement program for algorithm for given problem		
	state	ment		

• 6	Differentiate between the programming languages and select proper one for given problem statement				
• 7	Use functionalities to solve problem statement				
• Course n	o. • Course code • Course name				
• C607		• BTCOL607	• Internet of things Laboratory		
• COs	• After to:	the successful completion of thi	is course student will be able		
• 1	• Build	IOT application with Ardunio			
• 2	• Build	IOT application with Rasberryp	oi		
• 3	• Imple	ment the connectivity of Arduni	io Kit		
• 4	• Imple	ment the connectivity of Rasber	rypi Kit		
• 5	• Build	IOT application by using Ardur	nio & Rasberrypi with sensors		
• Course n	0.	• Course code	Course name		
• C608		• BTCOL608	• Computer Networks Laboratory		
• COs	 After the successful completion of this course student will be able to: 				
• 1	Working knowledge of datagram and internet socket programming				
• 2	 Design and test simple programs to implement networking concepts using Java. 				
• 3	 Design simple data transmission using networking concepts and implement. 				
• 4	Demonstrate different routing and switching algorithms				
• 5	• Comp	pare and analyze different ex	isting protocols.		
Course n	0.	• Course code	Course name		
• C609		• BTCOF609	 Field Training / Internship/ Industrial Training 		
• COs	After the successful completion of this course student will be able to:				
• 1	Integrate theory and practice.				
• 2	 Apply various soft skills such as time management, positive attitude and communication skills during performance of the tasks assigned in internship organization. 				
• 3	interr	Determine the challenges and potential for his / her internship organization in particular and the sector in general.			

• 4 • Construct the company profile by compiling the brief history, management structure, products / services offered, key achievements and market performance for his / her organization of internship.				
		• Final Year-I		
• Course n	0.	• Course code	• Course name	
• C701		• BTCOC701	• Software Engineering	
• COs	• After to:	the successful completion of thi	s course student will be able	
• 1		nderstand and Know the Soft ework, Practice & Process M		
• 2	 Knowing the key practices in extreme programming and how these relate to the general Principles of agile methods 			
• 3	Understand, analyze, and design using UML of real word problem Statement.			
• 4	Apply and Implement real word problem Statement using UML design techniques.			
• 5	 To understand Software testing, Development testing, Test-driven development, Release testing, User testing. 			
• 6	• 6 • Understand and Analyze the Dependability properties, Availability and reliability, Safety Security			
Course n	0.	• Course code	Course name	
• C702		• BTCOE702	• Elective - VIII (B) Distributed System	
• COs	After the successful completion of this course student will be able to:			
• 1	Identify the core concepts of distributed systems (level 1)			
• 2	 Distinguish distributed computing paradigm from other computing paradigms (level 2) 			
• 3	Illustrate the mechanisms of Inter process communication in distributed system (level 3)			
• 4	 Apply appropriate distributed system principles in ensuring transparency, consistency and fault-tolerance in distributed file system and avoid issues like, saturation, Deadlock (level 3) 			
• 5	Outline the need for mutual exclusion and election			
• Counce m	algorithms in distributed systems (level 4)			
• Course no. • Course code • Course name				

• C703		• BTCOE703	• Elective - IX (A) Cloud Computing		
• COs	After the successful completion of this course student will be able to:				
• 1	 "Understand Cloud Computing, reference models, Virtualization along with the licensing of software's " 				
• 2	_	n Cloud Computing Architec enges	ture, Types of Clouds and		
• 3		how to setup cloud enterpri pase as a service	se with example of storage,		
• 4	• Learr Tools	and Apply Aneka Cloud Pla	tforms, SDK, Management		
• 5	 "Implement and use the various services of cloud in different sectors like healthcare, finance, Business and consumer " 				
• 6	Create cloud computing environment for sample organization using different tools				
• 7	Apply Microsoft Azure and Implement cloud based application				
• Course n	• Course no. • Course code • Course name				
• C704		Open Elective - X (A) Block chain Technology			
• COs	• After to:	 After the successful completion of this course student will be able to: 			
• 1	• Unde	rstand block chain technolo	gy.		
• 2	Describe the working of bit coin crypto currency.				
• 3	 Build and deploy block chain application for on premise and cloud based architecture. 				
• 4	Integrate ideas from various domains and implement them using block chain technology in different perspectives.				
• 5	Design smart contract using Ethereal.				
• 6	_	 Design smart contract using Hyperactive ledger Fabric frameworks. 			
• 7	Understand The life of a Bit coin Miner.				
• Course n	0.	• Course code	• Course name		
• C705		BTCOL705 Full Stack			

			Development (LAMP / MEAN)	
• COs	 After the successful completion of this course student will be able to: 			
• 1		lop skills necessary to design I user interfaces	ı, develop and style a web	
• 2		lop skills required to create la applications using client side		
• 3		lop skill to use different Java oping responsive websites	Script frameworks for	
• 4		lop skills necessary to develo l applications	p efficient, scalable, web	
• 5		lop ability to identify use cas r side scripting web technolo		
Course no).	Course code	• Course name	
• C706		• BTCOL706	• System Administration	
• COs	 After the successful completion of this course student will be able to: 			
• 1	 Implement the successful installation of different Linux platforms like Ubuntu, centos 			
• 2	Build the Ubuntu System with SSH Server installed to enable or disable root login			
• 3	Implement the successful installation of Telnet Server on Cent OS			
• 4	• Imple	ement the FTP Server installa	ation on CentOS or Ubuntu	
• 5	Complete the upload and download of files using FTP server			
• 6	 Complete the installation of SAMBA and HTTP Server on Ubuntu 			
• 7	Complete the installation of Proxy Server			
Course no).	• Course code	Course name	
• C707		BTCOL707	Elective – VIII Lab	
• COs	• After to:	the successful completion of thi	s course student will be able	
• 1	• Ident	ify the core concepts of distr	ibuted systems (level 1)	
• 2	Distinguish distributed computing paradigm from other computing paradigms (level 2)			
• 3		rate the mechanisms of Interbuted system (level 3)	r process communication in	

• 4	trans file sy 3)	appropriate distributed sys parency, consistency and far estem and avoid issues like,	ult-tolerance in distributed saturation, Deadlock (level	
• 5		ne the need for mutual exclu		
		thms in distributed systems	,	
Course no) .	• Course code	Course name	
• C708		• BTCOL708	• Elective – IX Lab	
• COs	• After to:	the successful completion of thi	s course student will be able	
• 1		rstand Cloud Computing, re	ference models	
•		alization along with the licer		
• 2		n Cloud Computing Architec		
_	_	enges	rare, types of clouds and	
• 3	_	design Cloud Computing Architecture, Types of Clouds and Challenges		
• 4	_	design Cloud Computing Architecture, Types of Clouds and Challenges		
• 5	-	Implement and use the various services of cloud in different sectors like healthcare, finance, Business and consumer		
• 6		Create cloud computing environment for sample organization using different tools		
• 7		Apply Microsoft Azure and Implement cloud based application		
Course no		Course code	Course name	
• C709		• BTCOP709	Project phase - I	
• COs	• After	the successful completion of thi		
Cos	to:	the successful completion of thi	is course student will be able	
• 1		Identify and formulate Engineering problem addressing		
•		needs of Industry & Society.		
• 2	Conduct investigations of the Engineering problem			
_		formulated by using Engineering		
	 Scien 	Sciences.		
• 3	_	Design and develop solution(s) for Engineering problem with due consideration to public		
		health, safety, culture, society, environment and		
	susta	sustainability.		
• 4				
	_	ning and developing		
		ion (s) to engineering probl		
• 5	• Work	as individual and in team for	or communicating and	

	managing the project work				
• 6	 And its fiancés. Apply professional ethics while identifying the problem, investigating the problem, 				
	or tea	igning a solution to the problem, working as an individual eam for communicating			
_		managing the project work			
• 7		op ability for independent &			
Course no	0.	Course code	Course name		
• C710		• BTCOF609	 Field Training / Internship / Industrial Training 		
• COs	• After to:	the successful completion of thi	s course student will be able		
• 1	• Integr	rate theory and practice.			
• 2	Apply various soft skills such as time management, positive attitude and communication skills during performance of the tasks assigned in internship organization.				
• 3	Determine the challenges and future potential for his / her internship organization in particular and the sector in general.				
• 4	Construct the company profile by compiling the brief history, management structure, products / services offered, key achievements and market performance for his / her organization of internship.				
		• Final Year-II			
• Course n	0.	• Course code	• Course name		
• C801		• BTCOE801	• Elective – XI # (A) Deep Learning		
• COs	 After the successful completion of this course student will be able to: 				
• 1	 compare modeling aspects of various neural network architectures 				
• 2	implement simple neural network algorithms				
• 3	apply and evaluate deep learning on real data sets				
• 4	Impalement Linear regression, linear classifiers				
• 5	• 5 • compare modeling aspects of various neural network architectures				
	archi	lectures			
Course no		Course code	Course name		

			(A) Introduction to Industry 4.0 and IndustrialInternet of Things
• COs		the successful completion of thi	s course student will be able
	to:		
• 1		rstand Industry 4.0.	
• 2	• Desci	ribe the working of Cyber sec	curity in Industry 4.0.
• 3	• Desci	ribe the Industrial Processes	
• 4	• Unde	rstand Industrial IOT- Layer	s.
• 5	• Desci	ribe the Security and Fog Co	mputing in Industrial IOT.
• 6	• Desig	gn Industrial IOT- Application	n Domains: Healthcare.
• 7	• Desig	gn Industrial IOT- Application	n Domains: pharmaceutical
	indus	stry.	-
Course n	0.	• Course code	Course name
• C803		• BTCOE803	 Project phase - II (In-house) \$ / Internship and project in the Industry
• COs	After the successful completion of this course student will be able		
	to:		
• 1	Apply concepts of project management.		
• 2	Develop a project model.		
• 3	Understand project modeling andworking.		
• 4	Analyze post project operating stages.		