

	PROGRAMME EDUCATIONAL OBJECTIVES
The Graduate	es will
PEO1.	design, develop and test IT based software systems in software industries /institutions and excel in higher studies
PEO2.	utilize the future technologies to provide solutions to IT based problems and sustain research activities and development in IT related fields
PEO3.	adapt to recent trends of IT by life-long learning and become self employed by developing software
PEO4.	follow the ethics, managerial skills and quality control required to maintain professionalism in the IT industries

	STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN (AUTONOMOUS), SIVAKASI – 626 123. (Affiliated to Madurai Kamaraj University, Re-accredited with A Grade by NAAC, College with Potential for Excellence by UGC and Mentor Institution under UGC PARAMARSH) DEPARTMENT OF INFORMATION TECHNOLOGY B.SC DEGREE PROGRAMME IN INFORMATION TECHNOLOGY
	PROGRAMME EDUCATIONAL OBJECTIVES
The Gradua	tes will
PEO1.	design, develop and test IT based software systems in software industries /institutions and excel in higher studies
PEO2.	utilize the future technologies to provide solutions to IT based problems and sustain research activities and development in IT related fields
PEO3.	adapt to recent trends of IT by life-long learning and become self employed by developing software
PEO4.	follow the ethics, managerial skills and quality control required to maintain professionalism in the IT industries
By the Com PSO1.	pletion of B.Sc Information Technology programme, the learners will be able to apply the acquired technical knowledge of Information Technology to solve problems in different fields of Information Technology
PSO2.	identify, design and develop software/hardware solutions to meet the needs of IT industry
	select and apply recent techniques and tools necessary for integrating IT-based solutions into the user environment effectively
PSO3.	
PSO3. PSO4.	create visual presentations and maintain project documents as per the technical standards
PSO3. PSO4. PSO5.	create visual presentations and maintain project documents as per the technical standards function effectively as a team member or a leader to accomplish software development comprises of multidisciplinary team
PSO3. PSO4. PSO5. PSO6.	create visual presentations and maintain project documents as per the technical standards function effectively as a team member or a leader to accomplish software development comprises of multidisciplinary team follow the ethical principles involved in IT research and industrial practices

	Core	Course
Course Code:	GLIT11	Course Title: PROGRAMMING IN C
On successful	l completion of the course, the learn	ners should be able to
CO1.	explain the basic building blocks and	structured programming concepts in C
CO2.	discuss user defined functions, struct	ures, unions, pointers and files
CO3.	create simple programs using decisio	n making and looping statements
CO4.	compare the decision making stateme	ents, structures and unions
CO5.	develop simple programs using funct	ions, arrays, string functions and file
	Allied	Course
	Allied	Course Course Title: COMPUTER SYSTEM
Course Code:	Allied	Course Course Title: COMPUTER SYSTEM ARCHITECTURE
Course Code: On successful	Allied GLIT1A I completion of the course, the learn	Course Course Title: COMPUTER SYSTEM ARCHITECTURE ners should be able to
Course Code: On successful CO1.	Allied GLIT1A I completion of the course, the learn summarize the basic concepts of dig computers, memory systems, process	Course Course Course Title: COMPUTER SYSTEM ARCHITECTURE ners should be able to gital logic, number systems, gates, basic structure of ing and machine instructions
Course Code: On successful CO1. CO2.	Allied GLIT1A I completion of the course, the learn summarize the basic concepts of dia computers, memory systems, process solve problems in number systems ar	Course Course Course Title: COMPUTER SYSTEM ARCHITECTURE ners should be able to gital logic, number systems, gates, basic structure o ing and machine instructions d arithmetic circuits
Course Code: On successful CO1. CO2. CO3.	Allied GLIT1A I completion of the course, the learn summarize the basic concepts of dia computers, memory systems, process solve problems in number systems ar compare various types of flip-flops a	Course Course Course Title: COMPUTER SYSTEM ARCHITECTURE hers should be able to gital logic, number systems, gates, basic structure of ing and machine instructions d arithmetic circuits hd registers
Course Code: On successful CO1. CO2. CO3. CO4.	Allied GLIT1A I completion of the course, the learn summarize the basic concepts of dia computers, memory systems, process solve problems in number systems ar compare various types of flip-flops a classify various memory systems	Course Course Course Title: COMPUTER SYSTEM ARCHITECTURE ners should be able to gital logic, number systems, gates, basic structure of ing and machine instructions d arithmetic circuits nd registers
Course Code: On successful CO1. CO2. CO3. CO4. CO5.	Allied GLIT1A I completion of the course, the learn summarize the basic concepts of dia computers, memory systems, process solve problems in number systems ar compare various types of flip-flops a classify various memory systems analyze the memory systems, process	Course Course Course Title: COMPUTER SYSTEM ARCHITECTURE ners should be able to gital logic, number systems, gates, basic structure of ing and machine instructions id arithmetic circuits ind registers sing unit and machine instructions

	Allied	Course
Course Code:	GLIT1A	Course Title: COMPUTER SYSTEM ARCHITECTURE
On successfu	l completion of the course, the learn	ers should be able to
CO1.	summarize the basic concepts of dig computers, memory systems, processi	ital logic, number systems, gates, basic structure of ng and machine instructions
CO2.	solve problems in number systems and	d arithmetic circuits
CO3.	compare various types of flip-flops an	d registers
CO4.	classify various memory systems	
CO5.	analyze the memory systems, process	ing unit and machine instructions

Course Code:		Core Course
000000000000000000000000000000000000000	GLIT1L	Course Title: C & PC SOFTWARE LAB
On successfu	l completion of the cours	e, the learners should be able to
CO1.	build C programs using	various operators, conditional and iterative statements
CO2.	experiment C programs	using arrays, strings, functions and user defined data types
CO3.	create various personal/	business documents using Microsoft Word
CO4.	build Excel Sheets to fo using Charts	rmulate complex calculations and do statistical analysis
CO5.	design business present	ations with elegant animations
		Course Title: OBJECT ORIENTED
Course Code:	GTIT21	PROGRAMMING WITH C++
On successfu	l completion of the cours	e, the learners should be able to
	explain the OOP concepts	tokens, expressions, control structures, classes, objects,
CO1.	constructors, destructors,	pointers and files
CO1. CO2.	constructors, destructors, create programs using fur	ctions, constructor and destructor
CO1. CO2. CO3.	constructors, destructors, create programs using fur analyze the functions, ope	pointers and files ctions, constructor and destructor rator overloading and inheritance
CO1. CO2. CO3. CO4.	constructors, destructors, create programs using fur analyze the functions, ope make use of inheritance a	pointers and files ctions, constructor and destructor rator overloading and inheritance nd operator overloading

	Core (Course
Course Code	GTIT21	Course Title: OBJECT ORIENTED PROGRAMMING WITH C++
On successfu	l completion of the course, the learn	ers should be able to
CO1.	explain the OOP concepts, tokens, exp constructors, destructors, pointers and	pressions, control structures, classes, objects, files
~~~		

CO2.	create programs using functions, constructor and destructor
CO3.	analyze the functions, operator overloading and inheritance
CO4.	make use of inheritance and operator overloading
CO5.	summarize the concept of pointers, virtual functions, templates and exception handling

		Allied Course
Course Code:	: GLIT2A	Course Title: MATHEMATICAL FOUNDATIONS
On successfu	Il completion of the course,	, the learners should be able to
CO1.	describe the various discrete	e structures in a formal mathematical manner
CO2.	apply mathematical logic to	solve problems
CO3.	determine various character	istics of sets and solutions to recurrence relations
CO4.	problems using basic graph	theory and combinatorics
CO5	avaluate avatem of linear ea	
Course Code		Core Course Course Title: ADVANCED C&C++
Course Code:	: GLIT2L	Core Course Course Title: ADVANCED C&C++ PROGRAMMING LAB
Course Code: On successfu	: GLIT2L Il completion of the course,	Core Course         Course Title: ADVANCED C&C++         PROGRAMMING LAB         the learners should be able to
Course Code: On successfu CO1.	: GLIT2L Il completion of the course, develop basic pointer conce	Core Course         Course Title: ADVANCED C&C++         PROGRAMMING LAB         the learners should be able to         pts and file operations in C
Course Code: On successfu CO1. CO2.	: GLIT2L Il completion of the course, develop basic pointer conce apply overloading, structure	Core Course         Course Title: ADVANCED C&C++         PROGRAMMING LAB         the learners should be able to         pts and file operations in C         , constructor, friend function and inheritance concepts
Course Code: On successfu CO1. CO2. CO3.	: GLIT2L Il completion of the course, develop basic pointer concej apply overloading, structure construct code to perform st	Core Course         Course Title: ADVANCED C&C++         PROGRAMMING LAB         the learners should be able to         pts and file operations in C         , constructor, friend function and inheritance concepts         ack and queue operations
Course Code: On successfu CO1. CO2. CO3. CO4.	GLIT2L     GLIT2L     Il completion of the course,     develop basic pointer conceg     apply overloading, structure     construct code to perform st     implement sorting and searc	Core Course         Course Title: ADVANCED C&C++         PROGRAMMING LAB         the learners should be able to         pts and file operations in C         o, constructor, friend function and inheritance concepts         ack and queue operations         ching techniques using C++.
Course Code: On successfu CO1. CO2. CO3. CO4. CO5.	<ul> <li>GLIT2L</li> <li>Il completion of the course,</li> <li>develop basic pointer concept</li> <li>apply overloading, structure</li> <li>construct code to perform st</li> <li>implement sorting and searc</li> <li>perform read and write a dat</li> </ul>	Core Course         Course Title: ADVANCED C&C++         PROGRAMMING LAB         the learners should be able to         pts and file operations in C         c, constructor, friend function and inheritance concepts         ack and queue operations         :hing techniques using C++.         ta in a file using C++.
Course Code: On successfu CO1. CO2. CO3. CO4. CO5.	<ul> <li>evaluate system of linear eq</li> <li>GLIT2L</li> <li>Il completion of the course,</li> <li>develop basic pointer concej</li> <li>apply overloading, structure</li> <li>construct code to perform st</li> <li>implement sorting and searc</li> <li>perform read and write a dat</li> </ul>	Core Course         Course Title: ADVANCED C&C++         PROGRAMMING LAB         the learners should be able to         pts and file operations in C         c, constructor, friend function and inheritance concepts         ack and queue operations         ching techniques using C++.         ta in a file using C++.

	Core (	Course
Course Code:	: GLIT2L	Course Title: ADVANCED C&C++ PROGRAMMING LAB
On successfu	l completion of the course, the learn	ters should be able to
CO1.	develop basic pointer concepts and fil	e operations in C
CO2.	apply overloading, structure, construc	tor, friend function and inheritance concepts
CO3.	construct code to perform stack and q	ueue operations
CO4.	implement sorting and searching tech	niques using C++.
CO5.	perform read and write a data in a file	using C++.

	Core	Course
Course Code:	GLIT31	Course Title: RDBMS
On successful	l completion of the course, the learn	ners should be able to
CO1.	summarize the fundamental concepts normalization concepts and database	of DBMS, database architecture, data models, terminologies
CO2.	demonstrate the ER model and Relation	al Algebra operations from mathematical set theory
CO3.	create and populate a RDBMS with c	onstraints and keys using SQL
CO4.	use different query constructs for efficient	retrieval of information from a database
CO5		
	experiment PL/SQL Procedures, Functions,	Package and Triggers
	experiment PL/SQL Procedures, Functions,	Package and Triggers Course
Course Code:	experiment PL/SQL Procedures, Functions, Core G	Package and Triggers Course Course Title: WEB DESIGNING
Course Code: On successful	experiment PL/SQL Procedures, Functions, Core of GLIT32	Package and Triggers Course Course Title: WEB DESIGNING ners should be able to
Course Code: On successful CO1.	experiment PL/SQL Procedures, Functions, Core of GLIT32 I completion of the course, the learn explain the basic concepts of Internet	Package and Triggers Course Course Course Title: WEB DESIGNING ners should be able to , HTML elements and CSS terminologies.
Course Code: On successful CO1. CO2.	experiment PL/SQL Procedures, Functions,         Core of         GLIT32         I completion of the course, the learn         explain the basic concepts of Internet         apply the fundamental HTML tags/Formation	Package and Triggers Course Course Course Title: WEB DESIGNING ners should be able to , HTML elements and CSS terminologies. ORM elements for designing Webpages.
Course Code: On successful CO1. CO2. CO3.	experiment PL/SQL Procedures, Functions, Core of GLIT32 I completion of the course, the learn explain the basic concepts of Internet apply the fundamental HTML tags/Fo make use of multimedia components	Package and Triggers Course Course Course Title: WEB DESIGNING ners should be able to , HTML elements and CSS terminologies. ORM elements for designing Webpages. in web page creation.
Course Code: On successful CO1. CO2. CO3. CO4.	experiment PL/SQL Procedures, Functions, Core of GLIT32 I completion of the course, the learn explain the basic concepts of Internet apply the fundamental HTML tags/Fo make use of multimedia components discuss the basic concepts of JavaScript	Package and Triggers Course Course Course Title: WEB DESIGNING ners should be able to , HTML elements and CSS terminologies. ORM elements for designing Webpages. in web page creation.

	Core (	Course
Course Code:	GLIT32	Course Title: WEB DESIGNING
On successfu	l completion of the course, the learn	ers should be able to
CO1.	explain the basic concepts of Internet,	HTML elements and CSS terminologies.
CO2.	apply the fundamental HTML tags/FC	ORM elements for designing Webpages.
CO3.	make use of multimedia components i	n web page creation.
CO4.	discuss the basic concepts of JavaScript	
CO5.	construct the layout of multiple web pa	ges using Cascading Style Sheet.

	Allie	d Course
Course Code:	: GLIT3A	Course Title: RESOURCE MANAGEMENT TECHNIQUES
On successfu	l completion of the course, the lea	rners should be able to
CO1.	formulate the decision making prob	lems into mathematical models
CO2.	explain the various methods, rules a	and terms in solving decision making problems.
CO3.	solve problems using Graphical me	thod and Simplex method
CO4.	use various methods to solve Trans	portation and Assignment Problems
		( · · · · · · · · · · · · · · · · · · ·
CO5.	construct networks to determine the	e Critical Path using PERT/CPM
CO5.	construct networks to determine the	e Critical Path using PERT/CPM
CO5.	construct networks to determine the Cor E GLIT3L	e Critical Path using PERT/CPM e Course Course Title: RDBMS LAB
CO5. Course Code: On successfu	Cor Cor Cor Cor Cor Cor Cor Cor	e Critical Path using PERT/CPM e Course Course Course Title: RDBMS LAB arners should be able to
CO5. Course Code: On successfu	construct networks to determine the Cor : GLIT3L I completion of the course, the lea implement Basic DDL, DML an	e Course Course Course Title: RDBMS LAB arners should be able to d DCL commands
CO5. Course Code: On successfu CO1. CO2.	construct networks to determine the Cor GLIT3L I completion of the course, the lea implement Basic DDL, DML an retrieve information from a databas	e Critical Path using PERT/CPM e Course Course Course Title: RDBMS LAB urners should be able to d DCL commands e by formulating complex queries in SQL
CO5. Course Code: On successfu CO1. CO2. CO3.	construct networks to determine the Cor GLIT3L I completion of the course, the lea implement Basic DDL, DML an retrieve information from a databas summarize data using Aggregate ar	e Critical Path using PERT/CPM e Course Course Course Title: RDBMS LAB urners should be able to d DCL commands e by formulating complex queries in SQL ad Group functions
CO5. Course Code: On successfu CO1. CO2. CO3. CO4.	construct networks to determine the Cor GLIT3L I completion of the course, the lea implement Basic DDL, DML an retrieve information from a databas summarize data using Aggregate ar apply nested and join queries to combi	e Course Course Course Title: RDBMS LAB Course Title: RDBMS LAB Course should be able to d DCL commands e by formulating complex queries in SQL d Group functions ne multiple tables

	Core (	Course
Course Code:	GLIT3L	Course Title: RDBMS LAB
On successfu	l completion of the course, the learn	ers should be able to
CO1.	implement Basic DDL, DML and I	DCL commands
CO2.	retrieve information from a database b	y formulating complex queries in SQL
CO3.	summarize data using Aggregate and	Group functions
CO4.	apply nested and join queries to combine	multiple tables
CO5.	develop PL/SQLcode for procedures,	triggers, cursors, exception handling

		Allied Course	
Course Code:	GLIT3AL	Course Title	: WEB DESIGNING LAB
On successful	l completion of the course,	he learners should be	e able to
CO1.	design Web pages by applyi	g the fundamental HTI	ML tags/FORM elements
CO2.	experiment with navigation	tag by creating multip	le web pages.
CO3.	make use of multimedia compon	nts in web page creation.	
CO4.	develop dynamic web pages mechanism	using JavaScript object	s by applying different event handling
	mechanism		
CO5.	construct the layout of multip	e web pages using Case	cading Style Sheet
CO5.	construct the layout of multip	e web pages using Caso Core Course	cading Style Sheet
CO5.	construct the layout of multip	e web pages using Case Core Course Course Title	cading Style Sheet
CO5. Course Code: On successful	Construct the layout of multip	e web pages using Case Core Course Course Title he learners should be	e able to
CO5. Course Code: On successful CO1.	construct the layout of multip         GLIT41         I completion of the course,         explain the basic concepts of algorithms	e web pages using Case Core Course Course Course Title he learners should be Operating system, file	e able to system, mass storage structure and
CO5. Course Code: On successfu CO1. CO2.	construct the layout of multip         GLIT41         I completion of the course,         explain the basic concepts of algorithms         experiment with different Provide the course of th	e web pages using Caso Core Course Course Title he learners should be Operating system, file	e able to system, mass storage structure and ing Algorithms
CO5. Course Code: On successfu CO1. CO2. CO3.	construct the layout of multip         GLIT41         I completion of the course,         explain the basic concepts of algorithms         experiment with different Process synchroor	e web pages using Caso Core Course Course Title he learners should be Operating system, file bcess and Disk Schedul ization, deadlocks and	e able to system, mass storage structure and ing Algorithms memory management strategies
CO5. Course Code: On successfu CO1. CO2. CO3. CO4.	construct the layout of multip         GLIT41         I completion of the course,         explain the basic concepts of algorithms         experiment with different Process synchroor         analyze the Page Replacement	e web pages using Caso Core Course Course Title he learners should be Operating system, file bcess and Disk Schedul ization, deadlocks and at algorithms	e able to system, mass storage structure and ing Algorithms memory management strategies

	Core (	Course
Course Code:	GLIT41	Course Title: OPERATING SYSTEM
On successfu	l completion of the course, the learn	ers should be able to
CO1.	explain the basic concepts of Operatir algorithms	ng system, file system, mass storage structure and
CO2.	experiment with different Process and	Disk Scheduling Algorithms
CO3.	summarize Process synchronization, c	leadlocks and memory management strategies
CO4.	analyze the Page Replacement algorit	hms
CO5.	illustrate the access and allocation me	thods of File system

Course Code:GLIT4ACourse TitOn successful completion of the course, the learners should be	le: DATA STRUCTURES
On successful completion of the course, the learners should l	be able to
CO1. summarize the basic concepts of data structures, so	orting and searching
CO2. execute the operations of arrays and linked list	
CO3. differentiate the operations of stack and queue	
CO4. analyze the concepts of trees and graphs	
CO5. experiment the sorting and searching techniques	
	He. UNIX & SHELL DDOCDAMMING
Course Code: GLI14L	LAB
On successful completion of the course, the learners should l	be able to
CO1. demonstrate the various features of UNIX	
CO2. execute various commands in UNIX	
CO3 construct code to perform database programs using	g AWK
construct code to perform database programs using	
CO4. perform the operations using Filters	

	Core (	Course
Course Code:	GLIT4L	Course Title: UNIX & SHELL PROGRAMMING LAB
On successfu	l completion of the course, the learn	ers should be able to
CO1.	demonstrate the various features of U	NIX
CO2.	execute various commands in UNIX	
CO3.	construct code to perform database pr	ograms using AWK
CO4.	perform the operations using Filters	
CO5.	implement Shell programming	

		Allied Course	
Course Code:	GLIT4AL	Course Title: DATA STRUCTURES LAB	
On successful	l completion of the cou	urse, the learners should be able to	
CO1.	make use of various fea	tures of Data Structures	
CO2.	execute the operations of	of Arrays and Linked List	
CO3.	implement the operation	ns of Stack and Queue	
CO4.	demonstrate the basic co	oncepts of Trees and Graphs	
0011			
CO5.	construct code to perfor GLIT51	rm sorting and searching using various techniques Core Course Course Title: JAVA PROGRAMMING	
CO5.	construct code to perfor GLIT51	The second searching using various techniques Core Course Course Title: JAVA PROGRAMMING Urse, the learners should be able to	
CO5. Course Code: On successful	construct code to perfor GLIT51 I completion of the cou	Core Course         Course Title:       JAVA PROGRAMMING         urse, the learners should be able to       ncents of object oriented, applet and graphics programming	
CO5. CO5. Course Code: On successfu CO1.	construct code to perfor GLIT51 I completion of the cou summarize the basic con	Core Course         Course Title: JAVA PROGRAMMING         urse, the learners should be able to         ncepts of object oriented, applet and graphics programming         to hobics	
CO5. CO5. Course Code: On successfu CO1. CO2.	construct code to perfor         GLIT51         l completion of the cou         summarize the basic con         demonstrate the concept	Core Course         Course Title: JAVA PROGRAMMING         urse, the learners should be able to         ncepts of object oriented, applet and graphics programming         ts behind classes and objects	
CO5. CO5. Course Code: On successful CO1. CO2. CO3.	construct code to perfor         GLIT51         I completion of the cour         summarize the basic cond         demonstrate the concept         make use of decision material	rm sorting and searching using various techniques          Core Course         Course Title: JAVA PROGRAMMING         urse, the learners should be able to         ncepts of object oriented, applet and graphics programming         ts behind classes and objects         aking, branching and looping statements	
CO5. CO5. Course Code: CO1. CO1. CO2. CO3. CO4.	construct code to perfor         GLIT51         I completion of the cour         summarize the basic cond         demonstrate the concept         make use of decision material         analyze the features of the	rm sorting and searching using various techniques Core Course Course Title: JAVA PROGRAMMING Urse, the learners should be able to ncepts of object oriented, applet and graphics programming ts behind classes and objects aking, branching and looping statements nultithreading, inheritance, interface, packages and exception	ons

	Core (	Course
Course Code:	GLIT51	Course Title: JAVA PROGRAMMING
On successfu	l completion of the course, the learn	ers should be able to
CO1.	summarize the basic concepts of object	ct oriented, applet and graphics programming
CO2.	demonstrate the concepts behind class	es and objects
CO3.	make use of decision making, branchi	ng and looping statements
CO4.	analyze the features of multithreading	, inheritance, interface, packages and exceptions
CO5.	construct simple application programs	and applet programs

		Core Cou	se	
Course Code	e: GLIT5L1	Co	urse Title: JAVA PROGRAM	MING LAB
On successf	ul completion of the cou	rse, the learners	should be able to	
CO1.	implement console appl	cations		
CO2.	apply inheritance, packa	ge and interface		
CO3.	examine multithreading	and exception ha	dling	
CO4.	build programs using ap	plet and GUI com	ponents	
CO5	create programs using la			
		yout managers an Core Cou	d event handling	
Course Code	e: GLIT5L2	yout managers an Core Cou	d event handling se	
Course Code	e: GLIT5L2 ul completion of the cou	Yout managers an Core Cour rse, the learners	d event handling se Course Title: WEB TECHN should be able to	OLOGY LAB
Course Code On successf CO1.	e: GLIT5L2 ul completion of the cou make use of various con	Core Course, the learners	se Course Title: WEB TECHN should be able to /B.NET and ASP.NET	OLOGY LAB
Course Code On successf CO1. CO2.	e: GLIT5L2 ul completion of the cou make use of various con experiment applications	Core Court Core Court rse, the learners nmon controls of T to perform variou	a event handling se Course Title: WEB TECHN should be able to /B.NET and ASP.NET s operations on Windows Forn	OLOGY LAB
Course Code On successf CO1. CO2. CO3.	e: GLIT5L2 ul completion of the cou make use of various con experiment applications apply the Web based co	Core Court Core Court rse, the learners mon controls of to perform variou	se Course Title: WEB TECHN should be able to /B.NET and ASP.NET s operations on Windows Form g the interface for any Web ap	OLOGY LAB
Course Code On successf CO1. CO2. CO3. CO4.	e: GLIT5L2 ul completion of the cou make use of various con experiment applications apply the Web based con create Database applicat	Core Cou Core Cou rse, the learners mon controls of T to perform variou ntrols for designin ions using DataBo	se Course Title: WEB TECHN should be able to /B.NET and ASP.NET s operations on Windows Form g the interface for any Web appoint of the interface for any web a	OLOGY LAB
Course Code On successf CO1. CO2. CO3. CO4. CO5.	e: GLIT5L2 ul completion of the cou make use of various con experiment applications apply the Web based co create Database applicat build website using mas	Core Cour Core Cour rse, the learners mon controls of to perform variou htrols for designin ions using DataBo ter pages and CSS	se Course Title: WEB TECHN should be able to /B.NET and ASP.NET s operations on Windows Forn g the interface for any Web ap ound and DataSource Controls to give better look and feel to	OLOGY LAB

	Core (	Course
Course Code:	GLIT5L2	Course Title: WEB TECHNOLOGY LAB
On successfu	l completion of the course, the learn	ers should be able to
CO1.	make use of various common controls	s of VB.NET and ASP.NET
CO2.	experiment applications to perform va	rious operations on Windows Form controls
CO3.	apply the Web based controls for desi	gning the interface for any Web applications
CO4.	create Database applications using Da	taBound and DataSource Controls
CO5.	build website using master pages and	CSS to give better look and feel to Web applications

	Cor	re Course
Course Code:	GLIT61	Course Title: COMPUTER NETWORKS
On successful	l completion of the course, the lea	arners should be able to
CO1.	summarize the basic concepts of co	omputer networks, DNS and cryptography.
CO2.	classify the network reference mod	lels
CO3.	distinguish the various layers of	OSI model
CO4.	outline the various transmission mo	odes, the protocols of data link and transport layer and
	the routing and congestion control algorithms	
CO5.	make use of the routing and conges	algorithms stion control algorithms
CO5.	make use of the routing and conges	algorithms stion control algorithms re Course
CO5. Course Code:	make use of the routing and conges Cor GLIT62	algorithms stion control algorithms re Course Course Title: ANDROID PROGRAMMING
CO5. Course Code: On successful	make use of the routing and conges make use of the routing and conges Cor GLIT62 I completion of the course, the lead	algorithms stion control algorithms re Course Course Title: ANDROID PROGRAMMING arners should be able to
CO5. Course Code: On successfu CO1.	make use of the routing and conges make use of the routing and conges Cor GLIT62 I completion of the course, the lea summarize the basic concepts of ar	algorithms stion control algorithms re Course Course Title: ANDROID PROGRAMMING arners should be able to ndroid
CO5. Course Code: On successful CO1. CO2.	make use of the routing and conges make use of the routing and conges <b>Cor</b> <b>GLIT62</b> I completion of the course, the lea summarize the basic concepts of ar demonstrate user interface with vie	algorithms stion control algorithms re Course Course Course Title: ANDROID PROGRAMMING arners should be able to hdroid wws
CO5. Course Code: On successfu CO1. CO2. CO3.	make use of the routing and conges make use of the routing and conges <b>Cor</b> <b>GLIT62</b> I completion of the course, the lease summarize the basic concepts of an demonstrate user interface with vie make use of views to display image	algorithms stion control algorithms re Course Course Course Title: ANDROID PROGRAMMING arners should be able to hdroid ews es and menus
CO5. Course Code: On successfu CO1. CO2. CO3. CO3.	make use of the routing and conges make use of the routing and conges <b>Cor</b> <b>GLIT62</b> I completion of the course, the lea summarize the basic concepts of ar demonstrate user interface with vie make use of views to display image analyze the location based services	algorithms   stion control algorithms   stion control algorithms <b>re Course Course Title:</b> ANDROID PROGRAMMING arners should be able to adroid es and menus es and menus , content providers, data persistence

	Core (	Course
Course Code:	: GLIT62	Course Title: ANDROID PROGRAMMING
On successfu	l completion of the course, the learn	ers should be able to
CO1.	summarize the basic concepts of and	bid
CO2.	demonstrate user interface with views	
CO3.	make use of views to display images a	and menus
CO4.	analyze the location based services, co	ontent providers, data persistence
CO5.	construct simple program using datab	ase

		Core Course
Course Code	e: GLIT6L	Course Title: ANDROID PROGRAMMING
On successf	ul completion of the cou	rse, the learners should be able to
CO1.	build simple programs u	sing controls
CO2.	examine programs using	Selection Widgets
CO3.	construct programs to c	onnect the SQLite Database
CO4.	develop programsusing	Database
CO5.	create the Options Men	1
		Core Course
Course Code	e: GLIT6P	Core Course Course Title: MAJOR PROJECT
Course Code On successf	e: GLIT6P ul completion of the cou	Core Course Course Title: MAJOR PROJECT rse, the learners should be able to
Course Code On successf CO1.	e: GLIT6P ul completion of the cou discover potential resea	Core Course         Course Title: MAJOR PROJECT         rse, the learners should be able to         rch areas in the field of IT
Course Code On successf CO1. CO2.	e: GLIT6P ul completion of the cou discover potential resea conduct a survey of ava	Course         Course Title: MAJOR PROJECT         rse, the learners should be able to         rch areas in the field of IT         ilable literature in the preferred field of study
Course Code On successf CO1. CO2. CO3.	e: GLIT6P ul completion of the cou discover potential resea conduct a survey of ava compare and contrast th	Course Course         Course Title: MAJOR PROJECT         rse, the learners should be able to         rse, the learners should be able to         rch areas in the field of IT         ilable literature in the preferred field of study         e several existing solutions for research challenge
Course Code On successf CO1. CO2. CO3. CO4.	e: GLIT6P ul completion of the cou discover potential resea conduct a survey of ava compare and contrast th formulate and propose a	Course         Course Title: MAJOR PROJECT         rese, the learners should be able to         rech areas in the field of IT         clable literature in the preferred field of study         e several existing solutions for research challenge         plan for creating a solution for the research plan identified
Course Code On successf CO1. CO2. CO3. CO4. CO5.	e: GLIT6P ul completion of the cou discover potential resea conduct a survey of ava compare and contrast th formulate and propose a report the findings of th	Core Course         Course Title: MAJOR PROJECT         rse, the learners should be able to         rch areas in the field of IT         dable literature in the preferred field of study         e several existing solutions for research challenge         plan for creating a solution for the research plan identified         e study conducted in the preferred domain

	Core (	Course
Course Code:	GLIT6P	Course Title: MAJOR PROJECT
On successfu	l completion of the course, the learn	ers should be able to
CO1.	discover potential research areas in th	e field of IT
CO2.	conduct a survey of available literatur	e in the preferred field of study
CO3.	compare and contrast the several exist	ing solutions for research challenge
CO4.	formulate and propose a plan for creat	ing a solution for the research plan identified
CO5.	report the findings of the study condu-	cted in the preferred domain

	Elective	e Course
Course Code:	: GLIT5E1	Course Title: WEB TECHNOLOGY
On successfu	l completion of the course, the learn	ners should be able to
CO1.	summarize the basic concepts of .Net	t framework and VB.Net & ASP.Net terminologies
CO2.	experiment applications to perform v	various operations on Windows Form controls
CO3.	design the interface for Web applicat	ions using the Web based controls
CO4.	explain the steps to implement securi datasource controls	ity and connect applications with database using
	explain the steps to implement security and connect applications with database using datasource controls	
CO5.	build website using master pages and	I CSS to give better look and feel to Web application
CO5.	build website using master pages and	l CSS to give better look and feel to Web application
CO5.	build website using master pages and Elective Elective	I CSS to give better look and feel to Web application e Course Course Title: CYBER SECURITY
CO5. Course Code: On successfu	build website using master pages and Elective GLIT5E2 I completion of the course, the learn	I CSS to give better look and feel to Web application e Course Course Title: CYBER SECURITY ners should be able to
CO5. COurse Code: On successfu CO1.	build website using master pages and Elective GLIT5E2 I completion of the course, the learn illustrate computer and network secu	I CSS to give better look and feel to Web application e Course Course Title: CYBER SECURITY ners should be able to rity concepts
CO5. COurse Code: CO1. CO2.	build website using master pages and Elective GLIT5E2 I completion of the course, the learn illustrate computer and network secur classify transport level security	I CSS to give better look and feel to Web application e Course Course Course Title: CYBER SECURITY ners should be able to rity concepts
CO5. CO1. CO2. CO3.	build website using master pages and Elective GLIT5E2 I completion of the course, the learn illustrate computer and network secur classify transport level security analyze wireless network security	I CSS to give better look and feel to Web application e Course Course Course Title: CYBER SECURITY ners should be able to rity concepts
CO5. COUrse Code: CO1. CO1. CO2. CO3. CO4.	build website using master pages and         Elective         Elective         GLIT5E2         I completion of the course, the learner         illustrate computer and network security         classify transport level security         analyze wireless network security         distinguish various network security	Course Title: CYBER SECURITY ners should be able to rity concepts concepts

	Elective	Course
Course Code:	: GLIT5E2	Course Title: CYBER SECURITY
On successfu	l completion of the course, the learn	ers should be able to
CO1.	illustrate computer and network secur	ity concepts
CO2.	classify transport level security	
CO3.	analyze wireless network security	
CO4.	distinguish various network security c	oncepts
CO5.	discuss IP security	

	Electiv	e Course
Course Code:	GLIT5E3	Course Title: SOFTWARE ENGINEERING
On successful	l completion of the course, the lear	mers should be able to
CO1.	describe the basic concepts of softw language	are engineering and features of modern programming
CO2.	explicate the planning models, requir	rement, cost estimation, Software design
CO3.	analyze software design and cost est	imation, validation and maintenance techniques
CO4.	use software requirement specification	on techniques and design techniques
	use software requirement specification techniques and design techniques	
CO5.	compare various planning models, di techniques, walkthroughs and inspec	ifferent project sizes, cost estimation and design
CO5.	compare various planning models, de techniques, walkthroughs and inspec	ifferent project sizes, cost estimation and design xtions
CO5.	compare various planning models, di techniques, walkthroughs and inspect Electiv GLIT5E4	e Course Course Title: SYSTEM SOFTWARE
CO5. Course Code: On successful	compare various planning models, di techniques, walkthroughs and inspec Electiv GLIT5E4 I completion of the course, the lear	e Course Course Title: SYSTEM SOFTWARE ners should be able to
CO5. Course Code: On successfu CO1.	compare various planning models, de techniques, walkthroughs and inspect Electiv GLIT5E4 I completion of the course, the lear summarize various machine architect and compilers	e Course Course Title: SYSTEM SOFTWARE ners should be able to ture, assemblers, loaders, linkers, micro processor
CO5. Course Code: On successfu CO1. CO2.	compare various planning models, di techniques, walkthroughs and inspect Electiv GLIT5E4 I completion of the course, the lear summarize various machine architect and compilers classify the types of assemblers	e Course Course Title: SYSTEM SOFTWARE ners should be able to ture, assemblers, loaders, linkers, micro processor
CO5. Course Code: On successfu CO1. CO2. CO3.	compare various planning models, di techniques, walkthroughs and inspect Electiv GLIT5E4 I completion of the course, the lear summarize various machine architect and compilers classify the types of assemblers analyze loaders and linkers	e Course Course Course Title: SYSTEM SOFTWARE ners should be able to ture, assemblers, loaders, linkers, micro processor
CO5. Course Code: On successfu CO1. CO2. CO3. CO4.	compare various planning models, di techniques, walkthroughs and inspect Electiv GLIT5E4 I completion of the course, the lear summarize various machine architect and compilers classify the types of assemblers analyze loaders and linkers explain micro processor	e Course Course Course Title: SYSTEM SOFTWARE ners should be able to ture, assemblers, loaders, linkers, micro processor

	Elective	Course
Course Code:	GLIT5E4	Course Title: SYSTEM SOFTWARE
On successfu	l completion of the course, the learn	ers should be able to
CO1.	summarize various machine architectu and compilers	are, assemblers, loaders, linkers, micro processor
CO2.	classify the types of assemblers	
CO3.	analyze loaders and linkers	
CO4.	explain micro processor	
CO5.	illustrate the functions of compilers	

	Elective	Course
Course Code:	GLIT6E1	Course Title: COMPUTER GRAPHICS
On successfu	l completion of the course, the learn	ers should be able to
CO1.	summarize the various Graphic system and basic3D concepts	ns, the concepts of GUI, interactive input methods
CO2.	discuss the various algorithms for Out	put Primitives
CO3.	outline the attributes of Output Primit	ives
CO4.	apply various types of Transformation	is to 2D objects
CO5.	illustrate the different clipping method	ls

	Elective	e Course
Course Code:	GLIT6E1	Course Title: COMPUTER GRAPHICS
On successful	l completion of the course, the learn	ners should be able to
CO1.	summarize the various Graphic system and basic3D concepts	ms, the concepts of GUI, interactive input methods
CO2.	discuss the various algorithms for Ou	tput Primitives
CO3.	outline the attributes of Output Primit	tives
CO4.	apply various types of Transformation	ns to 2D objects
CO5.	illustrate the different clipping metho	ds
CO5.	illustrate the different clipping metho	ds e Course
CO5. Course Code:	illustrate the different clipping metho Elective GLIT6E2	ds e Course Course Title: INTRODUCTION TO EMBEDDEE SYSTEMS
CO5. Course Code: On successful	illustrate the different clipping metho Elective GLIT6E2	ds e Course Course Title: INTRODUCTION TO EMBEDDEE SYSTEMS ners should be able to
CO5. Course Code: On successful CO1.	illustrate the different clipping metho Elective GLIT6E2 I completion of the course, the learn summarize the basic concepts of emb	ds e Course Course Course Title: INTRODUCTION TO EMBEDDEE SYSTEMS ners should be able to edded systems
CO5. Course Code: On successful CO1. CO2.	illustrate the different clipping metho Elective GLIT6E2 I completion of the course, the learn summarize the basic concepts of emb describe Advanced Architectures and	ds e Course Course Course Title: INTRODUCTION TO EMBEDDEE SYSTEMS ners should be able to edded systems Processor-Memory Organizations
CO5. Course Code: On successful CO1. CO2. CO3.	illustrate the different clipping metho Elective GLIT6E2 I completion of the course, the learn summarize the basic concepts of emb describe Advanced Architectures and illustrate the concepts of Real Time C	ds e Course Course Course Title: INTRODUCTION TO EMBEDDEE SYSTEMS ners should be able to edded systems Processor-Memory Organizations Operating Systems
CO5. Course Code: On successful CO1. CO2. CO3. CO4.	illustrate the different clipping metho Elective GLIT6E2 I completion of the course, the learn summarize the basic concepts of emb describe Advanced Architectures and illustrate the concepts of Real Time C explain Programming Concepts and F	ds e Course Course Course Title: INTRODUCTION TO EMBEDDEE SYSTEMS ners should be able to edded systems Processor-Memory Organizations Operating Systems Embedded Programming in C, C++ and Java

	Non Major E	lective Course
Course Code	: GLIT3N	Course Title: INTRODUCTION TO IT
On successfu	I completion of the course, the learn	ners should be able to
CO1.	explain the fundamental concepts of o	computers, its architecture, memory and storage
CO2.	identify the parts of a computer	
CO3.	classify the input and output devices, computers	generations of computers and classification of
CO4.	summarize the categories in software	and networks
CO5.	1's and the foregoing the state in TT C's 1.1	
	Non Major E	lective Course
	Non Major E	lective Course
Course Code:	Non Major E : GLIT4N	lective Course Course Title: INTERNET & HTML
Course Code: On successfu	Non Major E GLIT4N Il completion of the course, the learn	lective Course Course Title: INTERNET & HTML ners should be able to
Course Code On successfu CO1.	Non Major E GLIT4N Il completion of the course, the learn explain the fundamental concepts of I	lective Course Course Title: INTERNET & HTML ners should be able to Internet, its Address and browsers
Course Code: On successfu CO1. CO2.	Non Major E GLIT4N I completion of the course, the learn explain the fundamental concepts of I classify the applications of Internet	lective Course Course Title: INTERNET & HTML ners should be able to Internet, its Address and browsers
Course Code: On successfu CO1. CO2. CO3.	Iter out the future trends in 11 field         Non Major E         : GLIT4N         Il completion of the course, the learn         explain the fundamental concepts of 1         classify the applications of Internet         summarize the features of HTML	lective Course Course Title: INTERNET & HTML ners should be able to Internet, its Address and browsers
Course Code: On successfu CO1. CO2. CO3. CO4.	Iteration       Non Major E         Iteration       Iteration         Iteration <td>lective Course         Course Title: INTERNET &amp; HTML         ners should be able to         Internet, its Address and browsers         t could be embedded in web pages</td>	lective Course         Course Title: INTERNET & HTML         ners should be able to         Internet, its Address and browsers         t could be embedded in web pages

	Non Major El	ective Course
Course Code:	GLIT4N	Course Title: INTERNET & HTML
On successfu	l completion of the course, the learn	ers should be able to
CO1.	explain the fundamental concepts of I	nternet, its Address and browsers
CO2.	classify the applications of Internet	
CO3.	summarize the features of HTML	
CO4.	name the multimedia components that	could be embedded in web pages
CO5.	design simple web pages using HTMI	

	Discipline Sp	ecific Course
Course Code:	GLIT4DSL	Course Title: C GRAPHICS LAB
On successfu	l completion of the course, the learn	ers should be able to
CO1.	make use of the basic concepts of con	nputer graphics
CO2.	create animations using c programmir	g
CO3.	develop models on graphical environr	nent
CO4.	apply clipping and filling techniques f	for modifying an object
CO5.	display a text using different styles	

	Discipline SI	pecific Course
Course Code:	GLIT4DSL	Course Title: C GRAPHICS LAB
On successful	l completion of the course, the learn	ners should be able to
CO1.	make use of the basic concepts of con	nputer graphics
CO2.	create animations using c programmi	ng
CO3.	develop models on graphical environ	ment
CO4.	apply clipping and filling techniques	for modifying an object
	apply clipping and filling techniques for modifying an object	
CO5.	display a text using different styles Job Orien	ted Course
CO5.	display a text using different styles Job Orien	ted Course
CO5. Course Code:	display a text using different styles Job Orien GLJO65	ted Course Course Title: CALL CENTER MANAGEMENT
CO5. Course Code: On successful	display a text using different styles Job Orien GLJO65 I completion of the course, the learn	ted Course Course Title: CALL CENTER MANAGEMENT ners should be able to
CO5. Course Code: On successfu CO1.	display a text using different styles Job Orien GLJO65 I completion of the course, the learn describe the basic concepts of Call ce	ted Course Course Title: CALL CENTER MANAGEMENT ners should be able to enter management
CO5. Course Code: On successful CO1. CO2.	display a text using different styles Job Orien GLJO65 I completion of the course, the learn describe the basic concepts of Call ce summarize classification, functioning	ted Course         Course Title: CALL CENTER MANAGEMENT         ners should be able to         enter management         g andworking environment of call centers
CO5. Course Code: On successfu CO1. CO2. CO3.	display a text using different styles Job Orien GLJO65 I completion of the course, the learn describe the basic concepts of Call ce summarize classification, functioning identify customers, services and offer	ted Course         Course Title: CALL CENTER MANAGEMENT         ners should be able to         enter management         g andworking environment of call centers         : solutions
CO5. Course Code: On successfu CO1. CO2. CO3. CO4.	display a text using different styles Job Orien GLJO65 I completion of the course, the learn describe the basic concepts of Call ce summarize classification, functioning identify customers, services and offer interpret complaints in tricky situatio	ted Course         Course Title: CALL CENTER MANAGEMENT         ners should be able to         enter management         g andworking environment of call centers         r solutions         n

	Job Orie	ented Course
Course Code	: GLJO65L	Course Title: CALL CENTER MANAGEMENT LAB
On successfu	Il completion of the course, the lea	arners should be able to
CO1.	demonstrate group discussion	
CO2.	illustrate conversational practice	
CO3.	apply business English during inter	view
CO4.	analyze customers and handle with	care
	analyze customers and handle with care	
CO5.	implement voice and vocal training	
CO5.	implement voice and vocal training	Dn Course
CO5.	implement voice and vocal training Add ( Edite: GLITEC1	On Course Course Title: WEB BUILDING
CO5. Course Code: On successfu	implement voice and vocal training         Add (         : GLITEC1         all completion of the course, the learner	On Course Course Title: WEB BUILDING arners should be able to
CO5. Course Code: On successfu	implement voice and vocal training         Add (         : GLITEC1         Il completion of the course, the lead         summarize the fundamental conception	Dn Course Course Title: WEB BUILDING urners should be able to ts of PHP
CO5. Course Codes On successfu CO1. CO2.	implement voice and vocal training         Add (         Example the function of the course, the lear         summarize the fundamental concept         classify the different control structure	Dn Course Course Title: WEB BUILDING urners should be able to ts of PHP ures
CO5. Course Code: On successfu CO1. CO2. CO3.	implement voice and vocal training         Add (         : GLITEC1         il completion of the course, the lea         summarize the fundamental concep         classify the different control structu         define functions and relate argumer	Dn Course Course Title: WEB BUILDING arners should be able to ts of PHP ares ats
CO5. Course Code: On successfu CO1. CO2. CO3. CO4.	implement voice and vocal training         Add (         Example the summarize the fundamental concept         classify the different control structure         define functions and relate argumental         summarize the concepts of arrays	Dn Course Course Title: WEB BUILDING trong should be able to ts of PHP tres tts

Add On Course				
Course Code: GLITEC1		Course Title: WEB BUILDING		
On successful completion of the course, the learners should be able to				
CO1.	summarize the fundamental concepts of PHP			
CO2.	classify the different control structures			
CO3.	define functions and relate arguments			
CO4.	summarize the concepts of arrays			
CO5.	tell how to create databases, link with HTML forms and retrieve data			

	Add O	n Course	
Course Code:	GLITEC2	Course Title: CLOUD COMPUTING	
On successfu	l completion of the course, the lear	ners should be able to	
CO1.	summarize the basic concepts of Cloud Computing Technologies		
CO2.	outline the Architecture and types of models in Cloud		
CO3.	analyze the services and storage		
CO4.	explain the concepts of Virtualization		
CO5.	identify the areas of Cloud Applications		