			DON BOSCO	D INSTITUTE OF TECHONOLGY, KURLA, MUMBAI			
				tment of Comps, (Even semester, 2017-18)			
	1			SE Comps			
Course Name:		AM-IV					
Course Code		CSC40					
Faculty Name: Year	2	Revathy Sem	IV				
CO Number		SCIII	17	Course Outcome			
CSC401.1	Students w	ill be able	to Obtain Eigen	values and Eigen vectors for a given square matrix			
CSC401.2	conditional	l Probabilit	ies using Bayes' t	erties of Eigen values and Eigen vectors (ii) Check if a matrix is derogatory or not (iii) Calculate theorem (iv) Obtain pdf and cdf of discrete and continuous random variables (v) Use Linear to solve optimization problems			
CSC401.3	Obtain requivolence (v) Obtain	uired proba moments a	abilities using Ba and probabilities	diagonal matrices using the concept of similarity (ii) Verify Cayley- Hamilton theorem (iii) yes' theorem (iv) Obtain MGF and hence obtain the mean and variance of a random variable of Binomial, Poisson and Normal distributions (vi) Use Z-test, t- test and Chi-square test to test near Programming methods to solve optimization problems			
CSC401.4	Students w	rill be able	to Obtain probab	pilities and z-values for normal distributions			
Course Name:		AOA					
Course Code	CSC402						
Faculty Name:	Ditty Varghese						
Year	2	Sem	IV				
CO Number	41 171			Course Outcome			
CSC402.1		s/specifica	tions of algoriths	algorithm, to know why is it necessary to analyze algorithms and be familiarized with mic analysis. Ability to calculate time complexity and space complexity of simple algorithms			
CSC402.2				fferent programming problems using different algorithmic strategies and techniques such as backtracking and branch & bound.			
CSC402.3	Ability to d	iscuss, des	ign and analyze	different string matching algorithms and relate it with real time scenarios.			
CSC402.4	Ability to s	elect appro	priate problem s	olving strategies by comparing, contrasting and evaluating which strategy is better.			
Course Name:		COA					
Course Code		CSC40	3				
Faculty Name:		Sejal Cho	pra				
Year	2	Sem	IV				
CO Number				Course Outcome			
CSC403.1	_			d describe the basics of computer architecture			
CSC403.2				operations for fixed or floating point representations and system performance			
CSC403.3				ed and parallel processing architectures with analysis of different hazards.			
CSC403.4				e control unit or memory system.			
CSC403.5				or architecture executing a specific program.			
CSC403.6	Ability to e architectur			ing activity/independent activity to prepare a report on "Recent Developments in processor			
Course Name:		CG					
Course Code		CSC40	4				
Faculty Name:		Dipti Jad					
Year	2	Sem	IV				
CO Number				Course Outcome			
CSC404.1	Ability to u	nderstand	the basics of con	nputer graphics, different graphics systems and applications of computer graphics.			
CSC404.2	Ability	to implem	ent various algo	rithms for scan conversion and filling of basic objects and their comparative analysis.(Using OpenGL,C)			
CSC404.3	Ability	to Impleme	ent 2D and 3D ge	eometric transformations on graphics objects and their application in composite form.(Using OpenGL,C)			
CSC404.4			e with different of g algorithms.(Us	clipping methods and its transformation to graphics display device by designing and ing OpenGL,C)			
CSC404.5	_			naturalize the scene in 2D view and use of illumination models for this			
CSC404.6				s applications in (C/OpenGL) using one or more graphics application programming interfaces.			
0	1						
Course Name:		OS					
Course Code		CSC40					
Faculty Name:	2	Shainila M	/Iulla IV				
Year	2	Sem	IV	Course Outcome			
CO Number				ources (such as CPU and memory) are managed by the operating system, describe the basic			
CSC405.1	Ability to c	ompare an	d contrast the co	n operating systems.  ommon algorithms used for both pre-emptive and non-pre-emptive scheduling of tasks in			
CSC405.2	operating s system .	systems, su	ch a priority, per	formance comparison, and fair-share schemes. Contrast kernel and user mode in an operating			
CSC405.3	operation,	implement	ation and perfor				
	operation, implementation and performance of modern operating systems.  Ability to summarise the full range of considerations in the design of file systems, summarise techniques for achieving synchronisation						
CSC405.4	in an operation system.  Ability to install various operating systems and analyse their performances and identify appropriate applications for them						
CSC405.4 CSC405.5		ation systen		tems and analyse their performances and identify appropriate applications for them			

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Course Name:	AOA Lab	
Course Code	CSL401	
Faculty Name:	Ditty Varghese	
Year	2 Sem IV	
CO Number	Ability to describe the properties of an	Course Outcome a algorithm, to know why is it necessary to analyze algorithms and be familiarized with
CSL401.1		mic analysis. Ability to calculate time complexity and space complexity of simple algorithms
COL-FOILI	Ability to apply, design and analyze dis	fferent programming problems using different algorithmic strategies and techniques such as
CSL401.2	divide and conquer, greedy, dynamic,	
CSL401.3	Ability to discuss, design and analyze	different string matching algorithms and relate it with real time scenarios.
CSL401.4	Ability to select appropriate problem s	olving strategies by comparing, contrasting and evaluating which strategy is better.
Course Name:	CG Lab	
Course Code	CSL402	
Faculty Name:	Dipti Jadhav	
Year	2 Sem IV	
CO Number		Course Outcome
CSL402.1	Implement various output and filled a	rea primitive algorithms using C/ OpenGL
CSL402.2	Apply transformations and clipping al	
CSL402.3	Implementation of curve and fractal g	
CSL402.4	Ability to create interactive graphics a	pplications in (C/OpenGL) using one or more graphics application programming interfaces.
Course Name:	Processor Architecture Lab	
Course Code	CSL403	
Faculty Name:	Sejal Chopra	
Year	2 Sem IV	
CO Number		Course Outcome
CSL403.1	Ability to compile a code for computer	
CSL403.2	Ability to estimate the output of comp	uter hardware operations using simulator.
CSL403.3	Ability to execute few programs on mi	
CSL403.4	Ability to execute few programs on mi Ability to explain and compare various	s buses on system or compare multi-core processors.
	Ability to execute few programs on mi Ability to explain and compare various	
CSL403.4 CSL403.5	Ability to execute few programs on mi Ability to explain and compare various Ability to engage students in self-learn	s buses on system or compare multi-core processors.
CSL403.4 CSL403.5 Course Name:	Ability to execute few programs on mi Ability to explain and compare variou: Ability to engage students in self-learn OS Lab	s buses on system or compare multi-core processors.
CSL403.4 CSL403.5 Course Name: Course Code	Ability to execute few programs on mi Ability to explain and compare variou. Ability to engage students in self-learr OS Lab CSL404	s buses on system or compare multi-core processors.
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name:	Ability to execute few programs on mi Ability to explain and compare various Ability to engage students in self-learr OS Lab CSL404 Shainila Mulla	s buses on system or compare multi-core processors.
CSL403.4 CSL403.5 Course Name: Course Code Faculty Name: Year	Ability to execute few programs on mi Ability to explain and compare variou. Ability to engage students in self-learr OS Lab CSL404	s buses on system or compare multi-core processors.  ing activity through a mini-project on Arduino
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number	Ability to execute few programs on mi Ability to explain and compare variou: Ability to engage students in self-learr  OS Lab  CSL404 Shainila Mulla 2 Sem IV	s buses on system or compare multi-core processors.  hing activity through a mini-project on Arduino  Course Outcome
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number CSL404.1	Ability to execute few programs on mi Ability to explain and compare variou. Ability to engage students in self-learr  OS Lab  CSL404  Shainila Mulla 2 Sem IV  Ability to Understand and execute bas	s buses on system or compare multi-core processors.  hing activity through a mini-project on Arduino  Course Outcome  ic operating system commands
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2	Ability to execute few programs on mi Ability to explain and compare variou: Ability to engage students in self-learr  OS Lab  CSL404 Shainila Mulla 2 Sem IV	s buses on system or compare multi-core processors.  hing activity through a mini-project on Arduino  Course Outcome  ic operating system commands  commands using kernel APIs.
CSL403.4 CSL403.5 Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2 CSL404.3	Ability to execute few programs on mi Ability to explain and compare variou. Ability to engage students in self-learr  OS Lab  CSL404  Shaimila Mulla  2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell	s buses on system or compare multi-core processors.  hing activity through a mini-project on Arduino  Course Outcome  ic operating system commands  commands using kernel APIs.
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2	Ability to execute few programs on mi Ability to explain and compare various Ability to engage students in self-learr  OS Lab  CSL404  Shainila Mulla 2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell Ability to explore various system calls. Ability to implement and analyze diffe	s buses on system or compare multi-core processors.  hing activity through a mini-project on Arduino  Course Outcome  ic operating system commands  commands using kernel APIs.
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2 CSL404.2 CSL404.3 CSL404.4	Ability to execute few programs on mi Ability to explain and compare variou: Ability to engage students in self-learr  OS Lab  CSL404  Shainila Mulla  2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell Ability to explore various system calls. Ability to implement and analyze diffe Ability to implement and analyze diffe Ability to implement and analyze diffe	Sobuses on system or compare multi-core processors.  Ining activity through a mini-project on Arduino  Course Outcome  Ic operating system commands  commands using kernel APIs.  Frent process scheduling algorithms
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2 CSL404.3 CSL404.4 CSL404.5	Ability to execute few programs on mi Ability to explain and compare variou: Ability to engage students in self-learr  OS Lab  CSL404  Shainila Mulla  2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell Ability to explore various system calls. Ability to implement and analyze diffe Ability to implement and analyze diffe Ability to implement and analyze diffe	Course Outcome  ic operating system commands commands using kernel APIs.  cerent process scheduling algorithms cerent memory management algorithms.
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2 CSL404.3 CSL404.4 CSL404.5	Ability to execute few programs on mi Ability to explain and compare variou: Ability to engage students in self-learr  OS Lab  CSL404  Shainila Mulla  2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell Ability to explore various system calls. Ability to implement and analyze diffe Ability to implement and analyze diffe Ability to implement and analyze diffe	Course Outcome  ic operating system commands commands using kernel APIs.  cerent process scheduling algorithms cerent memory management algorithms.
CSL403.4 CSL403.5 Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2 CSL404.3 CSL404.4 CSL404.5 CSL404.6	Ability to execute few programs on mi Ability to explain and compare various Ability to engage students in self-learr OS Lab CSL404 Shainila Mulla 2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell Ability to explore various system calls. Ability to implement and analyze diffe Ability to implement and analyze diffe Ability to evaluate process management	Course Outcome  ic operating system commands commands using kernel APIs.  cerent process scheduling algorithms cerent memory management algorithms.
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2 CSL404.3 CSL404.4 CSL404.5 CSL404.6  Course Name:	Ability to execute few programs on mi Ability to explain and compare various Ability to engage students in self-learr OS Lab CSL404 Shainila Mulla 2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell ability to explore various system calls. Ability to implement and analyze diffe Ability to implement and analyze diffe Ability to evaluate process management OST Lab	Course Outcome  ic operating system commands commands using kernel APIs.  cerent process scheduling algorithms cerent memory management algorithms.
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2 CSL404.3 CSL404.4 CSL404.5 CSL404.6  Course Name: Course Code	Ability to execute few programs on mi Ability to explain and compare various Ability to engage students in self-learr  OS Lab  CSL404 Shainila Mulla 2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell Ability to explore various system calls. Ability to implement and analyze diffe Ability to implement and analyze diffe Ability to evaluate process manageme	Course Outcome  ic operating system commands commands using kernel APIs.  cerent process scheduling algorithms cerent memory management algorithms.
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2 CSL404.3 CSL404.4 CSL404.5 CSL404.6  Course Name: Course Code Faculty Name:	Ability to explore and compare various Ability to explain and compare various Ability to engage students in self-learr OS Lab CSL404 Shainila Mulla 2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell. Ability to explore various system calls. Ability to implement and analyze diffe Ability to evaluate process management CSL405  Kadambari D.	Course Outcome  ic operating system commands commands using kernel APIs.  cerent process scheduling algorithms cerent memory management algorithms.
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2 CSL404.3 CSL404.4 CSL404.5 CSL404.6  Course Name: Course Code Faculty Name: Year	Ability to explore and compare various Ability to explain and compare various Ability to engage students in self-learr OS Lab CSL404 Shainila Mulla 2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell. Ability to explore various system calls. Ability to implement and analyze diffe Ability to evaluate process management CSL405  Kadambari D.	Sobuses on system or compare multi-core processors.  Ining activity through a mini-project on Arduino  Course Outcome  ic operating system commands  commands using kernel APIs.  Frent process scheduling algorithms  erent memory management algorithms.  Int techniques and deadlock handling using CPU-OS simulator.  Course Outcome
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2 CSL404.3 CSL404.3 CSL404.5 CSL404.6  Course Name: Course Code Faculty Name: Year CO Number	Ability to execute few programs on mi Ability to explain and compare various Ability to engage students in self-learr OS Lab  CSL404  Shainila Mulla  2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell ability to explore various system calls. Ability to implement and analyze diffe Ability to implement and analyze diffe Ability to evaluate process management of CSL405  CSL405  Kadambari D.  Sem  Ability to describe basic concepts in py	Sobuses on system or compare multi-core processors.  Ining activity through a mini-project on Arduino  Course Outcome  ic operating system commands  commands using kernel APIs.  Frent process scheduling algorithms  erent memory management algorithms.  Int techniques and deadlock handling using CPU-OS simulator.  Course Outcome
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2 CSL404.3 CSL404.4 CSL404.5 CSL404.6  Course Name: Course Code Faculty Name: Year CO Number	Ability to execute few programs on mi Ability to explain and compare various Ability to engage students in self-learr  OS Lab  CSL404 Shainila Mulla  2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell to explore various system calls. Ability to implement and analyze diffe Ability to implement and analyze diffe Ability to evaluate process management of ST Lab  CSL405  Kadambari D.  Sem  Ability to describe basic concepts in py	Course Outcome ic operating system commands commands using kernel APIs.  Perent process scheduling algorithms erent memory management algorithms. Int techniques and deadlock handling using CPU-OS simulator .  Course Outcome  Course Outcome
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2 CSL404.3 CSL404.4 CSL404.5 CSL404.6  Course Name: Course Code Faculty Name: Year CO Number CSL405.2	Ability to execute few programs on mi Ability to explain and compare variou: Ability to engage students in self-learr  OS Lab CSL404 Shaimila Mulla 2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell. Ability to explore various system calls. Ability to implement and analyze diffe Ability to implement and analyze diffe Ability to evaluate process management  OST Lab CSL405 Kadambari D. Sem  Ability to describe basic concepts in py Ability to demonstrate File handling o Ability to develop program for data students.	Course Outcome  ic operating system commands commands using kernel APIs.  erent process scheduling algorithms rent memory management algorithms. Int techniques and deadlock handling using CPU-OS simulator .  Course Outcome  chon and perl. perations, directories and text processing .
CSL403.4 CSL403.5  Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2 CSL404.3 CSL404.4 CSL404.5 CSL404.6  Course Name: Course Code Faculty Name: Year CO Number CSL405.1 CSL405.1 CSL405.2 CSL405.3	Ability to execute few programs on mi Ability to explain and compare variou: Ability to engage students in self-learr  OS Lab CSL404 Shaimila Mulla 2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell. Ability to explore various system calls. Ability to implement and analyze diffe Ability to implement and analyze diffe Ability to evaluate process management  OST Lab CSL405 Kadambari D. Sem  Ability to describe basic concepts in py Ability to demonstrate File handling o Ability to develop program for data students.	Course Outcome ic operating system commands commands using kernel APIs.  Serient process scheduling algorithms erent memory management algorithms. Int techniques and deadlock handling using CPU-OS simulator .  Course Outcome  Course Outcome  rent memory management algorithms erent memory management algorithms. Int techniques and deadlock handling using CPU-OS simulator .  Course Outcome  rent memory management algorithms. Int rechniques and deadlock handling using CPU-OS simulator .  Course Outcome  rent memory management algorithms and perl.  Course Outcome  rent memory management algorithms.  Course Outcome  rent memory management algorithms.  The course Outcome  rent memory management algor
CSL403.4 CSL403.5 Course Name: Course Code Faculty Name: Year CO Number CSL404.1 CSL404.2 CSL404.3 CSL404.4 CSL404.5 CSL404.6 Course Name: Course Code Faculty Name: Year CO Number CSL405.1 CSL405.1 CSL405.2 CSL405.3 CSL405.3	Ability to execute few programs on mi Ability to explain and compare various Ability to engage students in self-learr  OS Lab  CSL404  Shaimila Mulla  2 Sem IV  Ability to Understand and execute bas Ability to write shell scripts and shell of the self-leary of the	Course Outcome ic operating system commands commands using kernel APIs.  serient process scheduling algorithms erent memory management algorithms. Int techniques and deadlock handling using CPU-OS simulator .  Course Outcome  ython and perl. perations, directories and text processing . recture using built in functions in python. for developing python based web application. ython.

Course Name:  Course Code  Faculty Name:  Mayura Gavhane  Year 3 Sem VI  CO Number  Explain the basics of system programs like editors, compiler, assembler, linker, loader, interpreter, debugger and concepts of assembler  Interpret how linker and loader create an executable program from an object module created by assembler and to increase readability and productivity.  Describe different phases of Compiler and be able to design lexical analyzer and implement different types of pa compiler generation tools such as Lex and YACC  Relate role of syntax directed translation, intermediate code generation, code generation and run time storage n language designing and apply optimization principles on given code  Course Name:  SE  Course Code  CPC602  Faculty Name:  Nilakshi Joshi  Year 3 Sem VI  CO Number  Course Outcome  The student will understand and demonstrate basic knowledge in software engineering.  CPC602.2 The student will apply basic principles of software project management for software project.  CPC602.3 The student will apply software engineering methodology to create high quality WebApp.  CPC602.5 The Student will have understanding of sound engineering principle.  Course Name:  DE  Course Name:  Course Name:  DE  Course Name:  DE  Course Name:  DE  Course Name:  Course Name:  DE  Course Name:  Course Name:  DE  Course Name:  Cou	Able to apply macros
Mayura Gavhane   Year   3   Sem   VI     Course Outcome	Able to apply macros
CO Number   Course Outcome   Explain the basics of system programs like editors, compiler, assembler, linker, loader, interpreter, debugger and concepts of assembler   Interpret how linker and loader create an executable program from an object module created by assembler and to increase readability and productivity.    Describe different phases of Compiler and be able to design lexical analyzer and implement different types of pactors of syntax directed translation, intermediate code generation, code generation and run time storage in language designing and apply optimization principles on given code    Course Name:   SE	Able to apply macros
CPC601.1   CpC601.2   CpC601.2   CpC601.3   CpC601.3   CpC601.4   CpC601.4   CpC601.4   CpC601.4   CpC601.5	Able to apply macros
Explain the basics of system programs like editors, compiler, assembler, linker, loader, interpreter, debugger and concepts of assembler  CPC601.2  Interpret how linker and loader create an executable program from an object module created by assembler and to increase readability and productivity.  Describe different phases of Compiler and be able to design lexical analyzer and implement different types of pa compiler generation tools such as Lex and YACC  Relate role of syntax directed translation, intermediate code generation, code generation and run time storage in language designing and apply optimization principles on given code  COUTSE NAME:  SE  COUTSE NAME:  Year  3 SEM  VI  CONUMBER  CPC602  The student will understand and demonstrate basic knowledge in software engineering.  CPC602.1  The student will apply basic principles of software project management for software project.  CPC602.4  The student will apply software engineering methodology to create high quality WebApp.  The Student will have understanding of sound engineering principle.  COUTSE NAME:  DD  COUTSE NAME:  DE  COUTSE NAME:  DD  COUTSE NAME:  DD  COUTSE NAME:  DE  COUTSE NAME:  DD  COUTSE NAME:  DD  COUTSE NAME:  DE  COUTSE NAME:  DD  COUTSE NAME:  DE  COUTSE NAME:  DE  COUTSE NAME:  DE  COUTSE N	Able to apply macros
CPC601.1 concepts of assembler  Interpret how linker and loader create an executable program from an object module created by assembler and to increase readability and productivity.  Describe different phases of Compiler and be able to design lexical analyzer and implement different types of pa compiler generation tools such as Lex and YACC  Relate role of syntax directed translation, intermediate code generation, code generation and run time storage n language designing and apply optimization principles on given code  COUTSE NAME:  SE  COUTSE CODE  Faculty Name:  Year  3 Sem VI  CO Number  CPC602. The student will understand and demonstrate basic knowledge in software engineering.  CPC602.1 The student will apply basic principles of software project management for software project.  CPC602.3 The student will apply software engineering methodology to create high quality WebApp.  The Student will have understanding of sound engineering principle.  COUTSE NAME:  DD  COUTSE NAME:  DE  COUTSE NAME:  DD  COUTSE NAME:  DE  COUTSE NAME:  DD  COUTS	Able to apply macros
Interpret how linker and loader create an executable program from an object module created by assembler and to increase readability and productivity.  Describe different phases of Compiler and be able to design lexical analyzer and implement different types of package of the compiler generation tools such as Lex and YACC  Relater role of syntax directed translation, intermediate code generation, code generation and run time storage in language designing and apply optimization principles on given code  COURSE Name:  SE  COURSE Name:  Nilakshi Joshi Year  3 Sem VI  CO Number  COCO22  The student will understand and demonstrate basic knowledge in software engineering.  CPC602.1 The student will plan, design, develop and validate the software project.  CPC602.3 The student will apply basic principles of software project management for software project.  CPC602.4 The student will apply software engineering methodology to create high quality WebApp.  CPC602.5 The Student will have understanding of sound engineering principle.  COURSE Name:  DD  COURSE CODE  COURSE Name:  DD  COURSE	rsers using powerful
CPC601.2 to increase readability and productivity.  Describe different phases of Compiler and be able to design lexical analyzer and implement different types of part compiler generation tools such as Lex and YACC  Relate role of syntax directed translation, intermediate code generation, code generation and run time storage in language designing and apply optimization principles on given code  COURSE Name:  COURSE CODE  Faculty Name:  Nilakshi Joshi  Year  3 Sem VI  CONumber  CONUMBER  COCOL2  The student will understand and demonstrate basic knowledge in software engineering.  CPC602.1 The student will plan, design, develop and validate the software project.  CPC602.3 The student will apply basic principles of software project management for software project.  CPC602.4 The student will apply software engineering methodology to create high quality WebApp.  CPC602.5 The Student will have understanding of sound engineering principle.  COURSE Name:  DD  COURSE Name:  COURSE Name:  COURSE Na	rsers using powerful
Describe different phases of Compiler and be able to design lexical analyzer and implement different types of pa compiler generation tools such as Lex and YACC  Relate role of syntax directed translation, intermediate code generation, code generation and run time storage n language designing and apply optimization principles on given code  Course Name:  SE  Course Code  CPC602  Faculty Name:  Year  3 Sem VI  CO Number  CPC602.1 The student will understand and demonstrate basic knowledge in software engineering.  CPC602.2 The student will apply basic principles of software project management for software project.  CPC602.4 The student will apply software engineering methodology to create high quality WebApp.  CPC602.5 The Student will have understanding of sound engineering principle.  Course Name:  DD  Course Code  CPC603  Description:  Course Code  CPC603  Description:  COURSE ONTER STUDENT WEBAPP.  Course Code  CPC603	
CPC601.3 compiler generation tools such as Lex and YACC  Relate role of syntax directed translation, intermediate code generation, code generation and run time storage n language designing and apply optimization principles on given code  Course Name:  Course Code  CPC602  Faculty Name:  Vear  3 Sem  VI  CO Number  CPC602.1 The student will understand and demonstrate basic knowledge in software engineering.  CPC602.2 The student will apply basic principles of software project management for software project.  CPC602.3 The student will apply software engineering methodology to create high quality WebApp.  CPC602.5 The Student will have understanding of sound engineering principle.  Course Name:  DD  Course Code  CPC603	
Relate role of syntax directed translation, intermediate code generation, code generation and run time storage in language designing and apply optimization principles on given code  Course Name:    SE	nanagement in
CPC601.4 language designing and apply optimization principles on given code  Course Name: SE Course Code CPC602 Faculty Name: Nilakshi Joshi Year 3 Sem VI  CO Number CPC602.1 The student will understand and demonstrate basic knowledge in software engineering. CPC602.2 The student will apply basic principles of software project. CPC602.3 The student will apply basic principles of software project management for software project. CPC602.4 The student will apply software engineering methodology to create high quality WebApp. CPC602.5 The Student will have understanding of sound engineering principle.  Course Name: DD Course Code CPC603	anagement in
Course Name:  Course Code  CPC602 Faculty Name:  Nilakshi Joshi  Year  Sem  VI  CO Number  CPC602.1  The student will understand and demonstrate basic knowledge in software engineering.  CPC602.2  The student will plan, design, develop and validate the software project.  CPC602.3  The student will apply basic principles of software project management for software project.  CPC602.4  The student will apply software engineering methodology to create high quality WebApp.  CPC602.5  The Student will have understanding of sound engineering principle.  Course Name:  DD  Course Code  CPC603	
Course Code Faculty Name: Nilakshi Joshi Year 3 Sem VI  CO Number CPC602.1 The student will understand and demonstrate basic knowledge in software engineering. CPC602.2 The student will plan, design, develop and validate the software project. CPC602.3 The student will apply basic principles of software project management for software project. CPC602.4 The student will apply software engineering methodology to create high quality WebApp. CPC602.5 The Student will have understanding of sound engineering principle.  Course Name: DD Course Code CPC603	
Course Code Faculty Name: Nilakshi Joshi Year 3 Sem VI  CO Number CPC602.1 The student will understand and demonstrate basic knowledge in software engineering. CPC602.2 The student will plan, design, develop and validate the software project. CPC602.3 The student will apply basic principles of software project management for software project. CPC602.4 The student will apply software engineering methodology to create high quality WebApp. CPC602.5 The Student will have understanding of sound engineering principle.  Course Name: DD Course Code CPC603	
Sem   VI   Course Outcome   Course Out	
Year   3   Sem   VI   CONumber   Course Outcome	
CPC602.1 The student will understand and demonstrate basic knowledge in software engineering. CPC602.2 The student will plan, design, develop and validate the software project. CPC602.3 The student will apply basic principles of software project management for software project. CPC602.4 The student will apply software engineering methodology to create high quality WebApp. CPC602.5 The Student will have understanding of sound engineering principle.  Course Name:  DD Course Code CPC603	
CPC602.2 The student will plan, design, develop and validate the software project.  CPC602.3 The student will apply basic principles of software project management for software project.  CPC602.4 The student will apply software engineering methodology to create high quality WebApp.  CPC602.5 The Student will have understanding of sound engineering principle.  Course Name:  DD  Course Code  CPC603	
CPC602.3 The student will apply basic principles of software project management for software project.  CPC602.4 The student will apply software engineering methodology to create high quality WebApp.  CPC602.5 The Student will have understanding of sound engineering principle.  Course Name:  DD  Course Code  CPC603	
CPC602.4 The student will apply software engineering methodology to create high quality WebApp.  CPC602.5 The Student will have understanding of sound engineering principle.  Course Name: DD  Course Code CPC603	
CPC602.5 The Student will have understanding of sound engineering principle.  Course Name: DD Course Code CPC603	
Course Name:         DD           Course Code         CPC603	
Course Code CPC603	
Course Code CPC603	
Pagulty Namo	
Faculty Name: Kalpita Wagaskar	
Year 3 Sem VI	
CO Number Course Outcome	
Student should be able to demonstrate understanding towards principles and foundations of distributed databas	es which includes
CPC603.1 architecture, design issues, issues and technique related to distributed query and transaction processing	
CPC603.2 Ability to design distributed schema in terms of fragmentation and allocation	
CPC603.3 An ability to provide solution for a given case by identifying and defining computing requirements appropriate to	its solution
CPC603.4 Ability to represent unstructured data using XML	
CPC603.5 Student should be able to carry out independent work and work effectively as a team	
Course Name: MCC	
Course Code CPC604	
Faculty Name: Amiya Kumar Tripathy	
Year 3 Sem VI	
CO Number Course Outcome	
CPC604.1 Understand the basic mobile communication framework.	
CPC604.2 To make familiar with GSM, GPRS and CDMA Cellular architecture.	
CPC604.3 Setup and configure wireless access points and know the concept of Mobile IP.  CPC604.4 Implement small android based applications and simulation.	
CPC604.4 Implement sman android based applications and simulation.  CPC604.5 To put forth the concepts of mobility management and WLANs	
Cr Coo4.5   To put forth the concepts of mountry management and wileys	
Course Name: PM	
Course Code CPE6012	
Faculty Name: Imran Ali Mirza	
Year 3 Sem VI	
CO Number Course Outcome	
CPE6012.1 Learner will be able to define characteristics of a project	langue for offactive
	icinges for effective
CPE6012.1 Learner will be able to define characteristics of a project  Learner will be able to appreciate project management principles, risk in environment and the management cha  CPE6012.2 project management.	
Learner will be able to appreciate project management principles, risk in environment and the management cha	
Learner will be able to appreciate project management principles, risk in environment and the management cha project management.	nd controlling a
Learner will be able to appreciate project management principles, risk in environment and the management cha project management.  CPE6012.3 Learner will be able to apply the project management principles across all phases of a project.	nd controlling a
Learner will be able to appreciate project management principles, risk in environment and the management cha project management.  CPE6012.3 Learner will be able to apply the project management principles across all phases of a project.  Learner will be able to demonstrate use of tools and techniques for the Management of a project plan, monitor a	nd controlling a
Learner will be able to appreciate project management principles, risk in environment and the management cha project management.  CPE6012.3 Learner will be able to apply the project management principles across all phases of a project.  Learner will be able to demonstrate use of tools and techniques for the Management of a project plan, monitor a project schedule and budget, tracking project progress.  Course Name: German	nd controlling a
Learner will be able to appreciate project management principles, risk in environment and the management cha project management.  CPE6012.3 Learner will be able to apply the project management principles across all phases of a project.  Learner will be able to demonstrate use of tools and techniques for the Management of a project plan, monitor a project schedule and budget, tracking project progress.  Course Name:  German  Course Code  CPE6013	nd controlling a
Learner will be able to appreciate project management principles, risk in environment and the management cha project management.  CPE6012.3 Learner will be able to apply the project management principles across all phases of a project.  Learner will be able to demonstrate use of tools and techniques for the Management of a project plan, monitor a project schedule and budget, tracking project progress.  Course Name:  German  Course Code  CPE6013  Faculty Name:  Ajit	nd controlling a
Learner will be able to appreciate project management principles, risk in environment and the management cha project management.  CPE6012.3 Learner will be able to apply the project management principles across all phases of a project.  Learner will be able to demonstrate use of tools and techniques for the Management of a project plan, monitor a project schedule and budget, tracking project progress.  Course Name:  Course Code  CPE6013  Faculty Name:  Ajit  Year  3 Sem VI	nd controlling a
Learner will be able to appreciate project management principles, risk in environment and the management characteristic project management.	nd controlling a
Learner will be able to appreciate project management principles, risk in environment and the management cha project management.  CPE6012.3  Learner will be able to apply the project management principles across all phases of a project.  Learner will be able to demonstrate use of tools and techniques for the Management of a project plan, monitor a project schedule and budget, tracking project progress.  Course Name:  Course Code  CPE6013  Faculty Name:  Year  3 Sem VI  CO Number  Course Outcome  CPE6013.1  Learner will be able to read and understand Basic grammar, pronunciation and basic expression.	, and the second
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Learner will be able to appreciate project management principles, risk in environment and the management cha project management.  CPE6012.3 Learner will be able to apply the project management principles across all phases of a project.  Learner will be able to demonstrate use of tools and techniques for the Management of a project plan, monitor a project schedule and budget, tracking project progress.  Course Name:  Course Name:  German  Course Code  Faculty Name:  Year  3 Sem  VI  CO Number  Course Outcome  CPE6013.1  Learner will be able to read and understand Basic grammar, pronunciation and basic expression.  CPE6013.2  Learner will be able to understand Greetings, beginning of conversation, introduction of oneself, numbers, coun CPE6013.3  Learner will be able to understand and speak about Family structure, Culture.  Learner can able to understand and speak about Family structure, Culture.  Learner will be able to Draft e-mails and create simple presentation.	, and the second
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Learner will be able to appreciate project management principles, risk in environment and the management charpoject management.   CPE6012.3   Learner will be able to apply the project management principles across all phases of a project.   Learner will be able to demonstrate use of tools and techniques for the Management of a project plan, monitor a project schedule and budget, tracking project progress.	, and the second
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Learner will be able to appreciate project management principles, risk in environment and the management charpoject management.  CPE6012.3 Learner will be able to apply the project management principles across all phases of a project.  Learner will be able to demonstrate use of tools and techniques for the Management of a project plan, monitor a project schedule and budget, tracking project progress.  COUTSE NAME:  COUTSE NAME:  COUTSE NAME:  YEAR  3 SEM  VI  CONUMBET  CONUMBET  COPE6013.1  Learner will be able to read and understand Basic grammar, pronunciation and basic expression.  Learner will be able to understand Greetings, beginning of conversation, introduction of oneself, numbers, count CPE6013.3  Learner will be able to understand and speak about Family structure, Culture.  Learner will be able to understand and speak about Family structure, Culture.  Learner will be able to Draft e-mails and create simple presentation.  COUTSE NAME:  OUTSE NAME:  OUTSE NAME:  VI  COUTSE NAME:  PIL  COUTSE NAME:	ing and dates.
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Learner will be able to appreciate project management principles, risk in environment and the management cha project management.  CPE6012.3 Learner will be able to apply the project management principles across all phases of a project.  Learner will be able to demonstrate use of tools and techniques for the Management of a project plan, monitor a project schedule and budget, tracking project progress.  COUTSE NAME:  COUTSE NAME:  COUNTIES A SEM VI  CONUMBET  CONUMBET  CONUMBET  COPE6013.1 Learner will be able to read and understand Basic grammar, pronunciation and basic expression.  Learner will be able to understand Greetings, beginning of conversation, introduction of oneself, numbers, count CPE6013.3 Learner will be able to understand and speak about Family structure, Culture.  CPE6013.2 Learner will be able to maderstand and speak about Family structure, Culture.  CPE6013.3 Learner will be able to Draft e-mails and create simple presentation.  COUNTIES NAME:  NPL  COURSE NAME:  NPL  COURSE NAME:  Priya Kaul  Year  3 Sem VI  CONUMBET  CONUMBET  CONUMBET  CONUMBET  CONUMBET  CONUMBET  Ability to analyze, summarize and execute different networking commands and Network configuration files with CPL601.  Ability to demonstrate the configuration of Linux network, Ethernet card, Linux as a router and remote login set CPL601.  Ability to simulate servers such as Web Server and Linux File Transfer Protocol(FTP) server by installing and continuation of Linux network, Ethernet card, Linux as a router and remote login set CPL601.	their related options

Course Name		DIATA	4	BE Comps
Course Name: Course Code		DWN CPC80		
Faculty Name:		Priya K		
Year	4	Sem	VIII	
CO Number				Course Outcome
CPC801.1				epts and applications of data warehousing and data mining
CPC801.2	making	a data wai	enouse for any o	rganization using dimensional modelling and perform OLAP operations for strategic decision
CPC801.3	To explain	Data Extra	action, Transforn	nation and Loading process in Data Warehousing
CPC801.4				ata Mining algorithms in real time scenarios
CPC801.5	To simulate	e basic Da	ta Mining algorit	hms and methods using modern tools like R, WEKA
Course Name:		HMI		
Course Code		CPC80		
Faculty Name:		Dipti Jac		
Year	4	Sem	VIII	
CO Number				Course Outcome
CPC 802.1				gner with concepts and strategies for making design decisions.
CPC 802.2 CPC 802.3			ay-to-day activiti	and improve them and Design innovative and user friendly interfaces.
CPC 802.4				ocial and technical task.
0.002.1				
Course Name:		PDS		
Course Code		CPC80		
Faculty Name:		Shafaque		
Year CO Number	4	Sem	VIII	Course Outcome
CO Number CPC803.1	To underst	and and a	ppreciate the cha	course Outcome  Illenges and opportunities faced by parallel and distributed systems.
CPC803.2				and concept in analyzing and designing the parallel and distributed system.
CPC803.3				gies such as RPC, RMI and object based middle-ware and implement them for applications.
CPC803.4	Apply the l	key algorit	hms for coordina	tion, communication and synchronization.
0				
Course Name:		CDESO	21	
Course Code Faculty Name:	Kalnita	CPE80 a W. and K	adambari D.	•
Year	4	Sem	VIII	
CO Number				Course Outcome
CPE8031.1				applications which can use Machine Learning Techniques.
CPE8031.2 CPE8031.3				sification, clustering methods.
CPE8031.4			the difference b	etween supervised and unsupervised learning methods.
	Ability to a	ppreciate	Dimensionality re	eduction techniques.
CPE8031.4 CPE8031.5				eduction techniques. ing of Reinforcement learning.
				eduction techniques.  Ing of Reinforcement learning.
COURSE Name: Course Code	Students w	DF CPE80	erstand the worki	
COURSE Name: Course Code Faculty Name:	Students w	DF CPE80 Mayura Ga	erstand the worki 34 avhane	
Course Name: Course Code Faculty Name: Year	Students w	DF CPE80	erstand the worki	ing of Reinforcement learning.
COURSE Name: Course Code Faculty Name:	Students w	DF CPE80 Mayura Ga Sem	erstand the worki 34 avhane VIII	
COURSE Name: Course Name: Course Code Faculty Name: Year CO Number	Students w	DF CPE80 Mayura Ga Sem	erstand the worki	ing of Reinforcement learning.  Course Outcome
CPE8031.5  Course Name: Course Code Faculty Name: Year CO Number CPE8034.1 CPE8034.2 CPE8034.3	Students w  I 4  Describe v Apply the t Demonstra	DF CPE80 Mayura Ga Sem various cyb techniques	avhane VIII ver crimes and the of initial responsantiques of preservantiques of preservan	Course Outcome  e role digital forensics play in accordance with the various bodies of law for dealing with crimes see and forensics duplication in Windows and Linux systems with duplication of hard disk. wing and recovering electronic evidence from the system and its peripherals
CPE8031.5  Course Name: Course Code Faculty Name: Year CO Number CPE8034.1 CPE8034.2 CPE8034.3 CPE8034.4	I 4 Describe v Apply the t Demonstra Analyze the	DF CPE80 Mayura Ga Sem arious cyb echniques te the tech e attacks of	erstand the worki	Course Outcome e role digital forensics play in accordance with the various bodies of law for dealing with crimes se and forensics duplication in Windows and Linux systems with duplication of hard disk. wing and recovering electronic evidence from the system and its peripherals recovery of the same using forensic techniques principles on given code
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CPE8031.5  Course Name: Course Code Faculty Name: Year CO Number CPE8034.1 CPE8034.2 CPE8034.3 CPE8034.4 CPE8034.5  Course Name: Course Code Faculty Name:	Students w  1 4 Describe v Apply the t Demonstra Analyze th Summarize	DF CPE80 Mayura Ga Sem rarious cyb techniques te the tech e attacks of e the techn BDA CPE80 Sana Sh	erstand the worki  34  avhane  VIII  ber crimes and the of initial responsingues of preservon networks and iniques of system in the system of	Course Outcome  e role digital forensics play in accordance with the various bodies of law for dealing with crimes see and forensics duplication in Windows and Linux systems with duplication of hard disk. viving and recovering electronic evidence from the system and its peripherals recovery of the same using forensic techniques principles on given code investigations using data analysis of Live Windows and Linux systems  Course Outcome
CPE8031.5  Course Name: Course Code Faculty Name: Year CO Number CPE8034.1 CPE8034.2 CPE8034.3 CPE8034.3 COE8034.5  Course Name: Course Code Faculty Name: Year CO Number	Students w  A  Describe v  Apply the t  Demonstra  Analyze the  Summarize  4  Explain the  Develop pr	DF CPE80 Mayura Ga Sem rarious cybrechniques tet the teche e attacks o e the techn  BDA CPE80 Sana Sh Sem e key issue oblem solv	as aikh VIII s in big data mar	Course Outcome  e role digital forensics play in accordance with the various bodies of law for dealing with crimes se and forensics duplication in Windows and Linux systems with duplication of hard disk. wing and recovering electronic evidence from the system and its peripherals recovery of the same using forensic techniques principles on given code investigations using data analysis of Live Windows and Linux systems
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CPE8031.5  Course Name: Course Code Faculty Name: Year CO Number CPE8034.1 CPE8034.2 CPE8034.3 CPE8034.4 CPE8034.5  Course Name: Course Code Faculty Name: Year CO Number CPE8035.1 CPE8035.2 CPE8035.3	Students w  1 4 Describe v Apply the t Demonstra Analyze th Summarize  4 Explain the Develop pr big data an Interpret b	DF CPE80 Mayura Ga Sem rarious cyb rechniques tet the tech e attacks of the the tech BDA CPE80 Sana Sh Sem e key issue	erstand the worki  34  avhane  VIII  ber crimes and the of initial responsingues of preservon networks and iniques of system in the system of the system in	Course Outcome e role digital forensics play in accordance with the various bodies of law for dealing with crimes se and forensics duplication in Windows and Linux systems with duplication of hard disk. wing and recovering electronic evidence from the system and its peripherals recovery of the same using forensic techniques principles on given code investigations using data analysis of Live Windows and Linux systems  Course Outcome  agement and its associated applications in intelligent business.  thinking skills in fundamental enabling techniques like Hadoop and Map Reduce and NoSQLin fic computing paradigms, and apply software tools for big data analytics.
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