

Marathwada Shikshan Prasarak Mandal's

Sunderrao Solanke Mahavidyalaya, Majalgaon



INTERNAL QUALITY ASSURANCE CELL

Criterion1- Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including academic calendar and conduct of continuous internal assessment

Curricular Planning and Implementation Part B-Computer Science Individual Level



INDEX

Curricular Planning and Implementation Part B-Computer Science

Sr. No.	Name of Faculty	Subject
1	Mr. J. S. Chaus	Computer Science
2	Mr. V. B. Solanke	Computer Science
3	Mr. S. D. Swami	Computer Science
4	Smt. R. D. Jawkar	Computer Science



Sunderrao Solanke Mahavidhyalya Majalgaon

Department of Computer Science

Time Table of BSc(Optional) F.Y./S.Y/.T.Y - 2021-22

Time				
Day	8.15 To 10.30 (Practical)	12.30 to 1.20	2.10 to 3.00	
Monday	B.Sc. S.Y. (Practical)		Adv Data Structure(B.Sc.S.Y.)	
Tuesday			Adv Data Structure(B.Sc.S.Y.)	
Wednesday			Adv Data Structure(B.Sc.S.Y.)	
Thursday		Comp.Fund. (B.Sc F.Y.)		
Friday	B.Sc. F.Y. (Practical)	Comp.Fund. (B.Sc F.Y.)		
Saturday	B.Sc. F.Y. (Practical)	Comp.Fund. (B.Sc F.Y.)		

Theory	Practical	Total
02X03=06	03x03=09	15

Chaus Javed Sayeed

Ch. 1

Sunderrao Solanke Mahavidhyalya Majalgaon

Department of Computer Science

Time Table of BCS F.Y.	/S.Y/.T.Y-	2021-22
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Time Day	10.00 to 10.50	11.40 to 12.30	1.20 to 3.45 (Practical)
Duj			
Monday	Unix OS (BCS SY)		
Tuesday	Unix OS (BCS SY)		
Wednesday	Unix OS (BCS SY)		BCS S.Y. (Practical)
Thursday		C Prog. (BCS F.Y.)	BCS F.Y. (Practical)
Friday		C Prog. (BCS F.Y.)	BCS F.Y. (Practical)
Saturday		C Prog. (BCS F.Y.)	

Theory	Practical	Total	
02X03=06	03x03=09	15	

Chaus Javed Sayeed

Department Of Computer Science Sundamed Science Mahavidyalaya Majakgami Dist Reed

Sunderrao Solanke Mahavidhyalya Majalgaon

Department of Computer Science

Time Table of B.C.A F.Y./S.Y/.T.Y - 2021-22

Time				
	10.00 to 10.50	11.40 to 12.30	1.20 to 3.45 (Practical)	
Day				
Monday	Unix OS (BCA SY)			
Tuesday	Unix OS (BCA SY)			
Wednesday	Unix OS (BCA SY)	-	BCA S.Y. (Practical)	
Thursday	- <u>-</u> -	C Prog. (BCA F.Y.)	BCA F.Y. (Practical)	
Friday		C Prog. (BCA F.Y.)	BCA F.Y. (Practical)	
Saturday		C Prog. (BCA F.Y.)		

Theory Practical		Total
02X03=06	03x03=09	15

Chaus Javed Sayeed

ANNAUAL TEACHING PLAN

Name: Chaus Javed Sayeed

Subject: Computer Fundamentals (CS101)

Year: 2021-2022

Sr. No.	Subject/ Paper	November	December	January	February
1	Semester: Ist B.Sc.(Optional) ISt year Paper Computer Fundamentals (Code:-CS101)	Unit-I 1. Fundamentals of Computer System • Characteristics & features of Computers. • Components of Computers. • Organization of Computer. 2. Algorithm and Flowcharts □ Algorithm: Definition, Characteristics, Advantages and disadvantages, Examples • Flowchart: Definition, Define symbols of flowchart, Advantages and disadvantages, Examples 3. Computer Generation & Classification • Generation of Computers: First to Fifth • Classification of Computers: Distributed & Parallel computers	Unit-II 4. Computer Languages • Types of Programming Languages: Machine Languages, Assembly Languages, High Level Languages • Assembler, Linker, Loader, Interpreter & Compiler. 5. Computer Memory • Memory Cell & Organization • Types of Memory (Primary And Secondary): RAM, ROM, PROM, EPROM	o Secondary Storage Devices (FD, CD, HD, Pendrive, DVD, Tape Drive, DAT) 6. I/O Devices • Input Devices: Touch screen, OMR, OBR, OCR, Light pen, Scanners • Output Devices: Digitizers, Plotters, LCD, Plasma Display, Printers	Unit – III 7. Processor • Structure of Instruction , Description of Processor , Processor Features • RISC & CISC 8. Operating system Concepts • Why Operating System?, Functions of Operating System , Booting of OS & it's type • Types of Operating System : Batch O.S. , Multiprogramming O.S., Time Sharing O.S ,

ANNAUAL TEACHING PLAN

Name: Chaus Javeed Sayeed

Subject: Programming in C

CS202

Year: 2021-2022

Sr. No.	Subject/ Paper	November	December	January	February
1	Semester: I st B.Sc.(Optional) Paper Code: CS202 Programming in C	1. Introduction An Overview of C, History of C language, C as a Structured Language, Features of C. 2. Basic Elements & Operators Character set, C Token, Identifier & Keywords, Variables Constant and its types. Integer constant, floating point constant, character constant, string constants. Operators: Arithmetic, Relational, Logical, Unary operators: Increment & decrement Assignment and Conditional operator. Precedence & Associatively of Operators	3. Data Types Data Types: int, char, float, double. Declaration & Initialization. Type modifier: long, short, signed & Unsigned 4. C Program & I/O statements 2/4, 2/3, 1/1 Structure of C Program, Compilation & Execution of C program I/O: Introduction, Formatted Input/Output function: scanf & printf, Escape sequence characters	□ Library functions: General & Maths. 5. Control and Iterative Statements: 2/5, /6, 1/3, 1/4 □ Simple if, nested if, if-else, else if ladder □ Switch-case statement □ The conditional expression (?: operator) □ while and do-while loop, and for loop □ break & continue statement, goto statement	6. Arrays: Introduction, Declaration and initialization Accessing array elements, Memory representation or array. One dimensional arrays, character array, Introduction to string. Core Reference: 1.

HEAD

ANNAUAL TEACHING PLAN

Name: Chaus Javeed Sayeed

Subject: Programming in C

CS304AT

Year: 2019-2020

Sr. No.	Subject/ Paper	August	September	October	November
1	Semester: I st B.Sc.(C.S.) Paper Code: CS304AT Programming in C	UNIT – 15 1. Introduction An Overview of C, History of C language, C as a Structured Language, Features of C. 2. Basic Elements & Operators Character set, C Token, Identifier & Keywords, Variables Constant and its types. Integer constant, floating point constant, character constant, string constants. Operators: Arithmetic, Relational, Logical, Unary operators: Increment & decrement Assignment and Conditional operator. Precedence & Associatively of Operators	3. Data Types Data Types: int, char, float, double. Declaration & Initialization. Type modifier: long, short, signed & Unsigned UNIT – II 15 4. C Program & I/O statements 2/4, 2/3, 1/1 Structure of C Program, Compilation & Execution of C program I/O: Introduction, Formatted Input/Output function: scanf & printf, Escape sequence characters	□ Library functions: General & Maths. 5. Control and Iterative Statements: 2/5, /6, 1/3, 1/4 □ Simple if, nested if, if-else, else if ladder □ Switch-case statement □ The conditional expression (?: operator) □ while and do-while loop, and for loop □ break & continue statement, goto statement	UNIT – III 15 6. Arrays: Introduction, Declaration and initialization Accessing array elements, Memory representation of array. One dimension and multidimensional arrays, character array, Introduction to string. Core Reference: 1.

HEAD

ANNAUAL TEACHING PLAN

Name: Chaus Javeed Sayeed

Subject: Advance Programming in C CS304BT

Year: 2020-2021

Sr. No.	Subject/ Paper	November	December	January	Fohence
		UNIT – I 15 1 Functions 2/9, 1/5, 3 Introduction, types of functions. Defining functions, Arguments, Function prototype, actual parameters and formal parameters, Calling function, Returning function results, Call by value, Recursion. 2. Structure & Union 2/10, 1/10, Structure: Introduction, Declaration and initializing structure, Accessing structure members, Nested structures, Arrays of structure, typedef statement. Unions: Declaration, Difference between structure and union	calloc(),malloc(),exit(),	□ File inclusion and conditional compiler directives, Macro substitution, #define, #if, #ifdef, #else, #elif, #endif, 6. Miscellaneous Features: □ Bitwise Operators: Introduction, Masking, Internal representation of data, Bit fields, Enumerated data types, Type casting. UNIT - III 15 7. File Handling: Introduction, Opening & closing a file, Input/Output operations on files, text and binary files, getc(), putc() function. File copy	February program, fprintf and fscanf(). fread() and fwrite() function. Writing and reading records from binary file, Appending, modifying and deleting a record from file, randon access functions fseek(), rewind() flushall(), remove(), rename(). Command line arguments: use of argc and argv Graphics in C Introduction: initgraph() and detectgraph() function, Drawing object in C, Line, Circle, Rectangle, Ellipse, Changing foreround

Biodata Format

Name of Institute:

Full Name		CHAUS JAVED SAYEED				
Name of Post		Assistant Professor				
Subject		Computer science				
Specialisation		Computer science		47.92		
Caste Category Appoint	ed From	Muslim (Open)				
UG/ PG Teacher		UG				
Address & Contact Deta	ails	Majalgaon Dist.Beed -431 Mobile No: 942375732	Sunderrao Solanke Mahavidyalaya , Majalgaon Dist.Beed -431131 Mobile No : 9423757327 Email:chaus_javed@yahoo.co.in			
Gender	Male	Date of Birth : 16/06/1	973	*		
Mother tongue	Urdu	Knowledge of Marathi: Hindi, English	Specially Abled: No			



:: Caste Category of Candidate

Category: Open Cast: Muslim

:: Educational Qualification (Start from Ph.D/PDF to SSC) M.Sc.

Name of Exam	Board/University	Passing Mon- Year	Stream/Subject	Obtained/ Total Marks	% or Grade Point
CCC	Aurangabad	March-1989	Marathi, Eng, Science, Math	471	67.28%
SSC HSC	Aurangabad	March-1991	Science	300	50%
B.Sc.	Dr.BAMU Aurangabad	M/A-1994	Science	348	58%
M.Sc.	Dr.BAMU Aurangabad	M/A-1998	Computer Science	678	56.5%

:: Work Experience

Name of Employer	Type of Service	Designation	Nature of Post	From-To	Pay scale Approva
J.S.Chaus		Assistant Professor	СНВ	1999-2023	Fix pay

:: Research Papers/ Conference Proceedings: Nil

Type of Journal	Title with	Journal Details	Published year	Sole/ Co- Author	Peer Review/Impact Factor	API Score
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:: Paper Presented in Conference/Workshop/Symposium :Nil

Title of	Type of Conf./Workshop/Symposium	Details of Conf./Workshop/Symposium	Organiser Details	Proceedings Published?	Sole/ Co- author	API Score
Paper						

:: Research Publications- Books, Chapters, Articles etc. : Nil

Publication Type	Title of Book	Publisher Details	Book ISSN/ISBN	Published Year	Sole/ Co- author	API Score

:: Details of Research Students guided for M.Phil./Ph.D. : Nil

Student Name	Degree	Registration	Award of Degree	Branch/Title	Degree	

			E	Date				-			+	Status
		-										
Details of Resea	arch Sch	emes/ Pro	ojects/	' Consulta	ncies	undertake	n : Nil					
Project Nam		Funding Agency	,	Fund 1obilised	Comm	nencement Date	Comple Date		Wo	rked	as	API Score
			+				-		79			
ATEGORY I: TEA	CHING,	LEARNING Seminars,	3 & EV	ALUATION als, Practi	N RELA	TED ACTI	VITIES s					ş
	/Paper			G/ PG Lev		Teaching		wee		otted	•	f classe taken
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	(C.S.)			UG UG		ICT,Or		_	2 hou 2 hou		_	100%
	Science)				0/				7			
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API Score for T	Teaching	g load in e	xcess	of UGC no	rm (M	ax Score:	10)					
3. Reading/ Instr	ructiona	l Material	consul	lted/ addi	tional	knowledg	e resour	ces	provi	ded t	o stu	dents:
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	i i								-	-		
API Score based	on prep	aration &	impart	ting know	ledge/	/ instruction	on as pe	r dents	s			-
curriculum & syll (Max Score:20) 4. Use of Particip of subject conter	atory &	Innovativ se improve	e Tead	ching-Lea	ultiona	ii resource	3 10 314					
API Score based curriculum & syll (Max Score:20)  4. Use of Particip of subject conter API Score (Max S	patory & nt, cours	Innovative improve	e Teac	ching-Lea etc.	rning r	methodolo	gies, up	datir	ig	, eva	luati	on/
curriculum & syll (Max Score:20)  4. Use of Particip of subject conter  API Score (Max S	patory & nt, cours	Innovative Improve  (1)  (2)  (3)  (4)	ve Tead	ching-Leadetc.	rning r	methodolo	gies, up	datin	tting		luati	on/
curriculum & syll (Max Score:20) 4. Use of Particip of subject conter API Score (Max S 5. Examination D assessment of a	patory & nt, cours Score:20 Duties A	Innovative Improve  (1)  (2)  (3)  (4)	ve Tead	ching-Leadetc.	rning r	methodolo	gies, up	datin	tting	h		on/ I Score
curriculum & syll (Max Score:20) 4. Use of Particip of subject conter API Score (Max S 5. Examination D assessment of a	patory & nt, cours Score:20 Duties A	Innovative improve  (i)  (ii)  (iii)	ve Tead	ching-Leadetc.	rning r	methodolo	gies, up	datin	tting	h		
curriculum & syll (Max Score:20) 4. Use of Particip of subject conter API Score (Max S 5. Examination D assessment of ar Type of Ex	patory & nt, cours Score:20 Outles A nswer s caminat	Innovative improve  (a)  (b)  (c)  (c)  (c)  (c)  (c)  (c)  (c	re Teac ement	ching-Leadetc.  formed (Inotment:	rning r nvigilat	methodolo tion; ques	gies, up	datin	etting	h )	AP	I Score
curriculum & syll (Max Score:20)  4. Use of Particip of subject conter API Score (Max S 5. Examination D assessment of an Type of Ex	patory & nt, cours Score:20 Outles Answer scaminat	Innovative improve  Signed and cripts) as placed in Duties	re Teacement	ching-Leadetc.  formed (Inotment:  Dutie	rning r nvigilat	methodolo tion; ques	gies, up	datin	etting	h )	AP	I Score
Curriculum & syll (Max Score:20)  4. Use of Particip of subject conter API Score (Max S  5. Examination D  assessment of an  Type of Ex  CATEGORY II: Co  1. Student relate based activities NSS/NCC & othe subject related of API Score (Max	oatory & nt, cours Score:20 Outles Answer scaminat O-CURR ed co-cu (such aser channels) Events, Score:2	Innovative improve imp	xTENS xtension work all actions & co	ching-Leadetc.  formed (Inotment:  Dutice SION & PR on & field of through vities, unseling)	rning r nvigilat	methodolo tion; ques	gies, up	datin	etting	h )	AP	I Score
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Curriculum & syll (Max Score:20)  4. Use of Particip of subject conter  API Score (Max Score:20)  5. Examination Deassessment of an Type of Extended Conter  CATEGORY II: Conter  1. Student related to the sed activities of the department of the de	oatory & nt, course outles A nswer seaminate o-CURR ed co-cu (such as er channes events, score:2 to Corpo ent & insacadem esponsi Score:2 Develop seminarourses, associate, not con the corpo ent the corpo ent esponsi score:2 de corpo ent esponsi score:2 de corpo esponsi s	ssigned an cripts) as procession Duties  ICULAR, Exercicular, conferent alks, lectriculars, dissevered above	xtension work al activities (ences, sures, eminate	ching-Leadetc.  formed (inotment:  Dutic  SION & PR  on & field of through vities, unseling) gement ive	rning r nvigilat	methodolo tion; ques	gies, up	datin	etting	h )	AP	I Score

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term, training cou membership of as	minars, conferences, short rses, talks, lectures, sociations, dissemination & ot covered above)				
Technology Progra	Teaching, Learning Evaluation ammes, Faculty Development less than one week duration)				
Invited lectures o conferences/sym	r presentations for posia				
Design of new cou	urse & curriculum				
Particulars of curr level	rent research work at personal				
Co-curricular & ex	ctra-curricular activities				
Consultancy work	carried out				
Patents & IPR De	tails:				
Any other informa	ation you wish to specify				
T	Teachin	g Methods			
Sr.No.		Short Description			
1	Chall	k & Black board Method			
2	Practic	al Demonstration Method			
3	L	ectures & Seminars			
		Teaching Aids			
Sr.No.	Short Description				
1	Mod	dels used for Teaching			
2	ICT based teach	ing like PPT with help of Computer			
3	L	aboratory Practicals			
4	Printed	d study materials & notes			
5	Provided stud	ly material on WhatsApp Groups			
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Chans Javed Sayeed

### Sundarrao Solanke Mahavidhyalya Majalgaon

Department of Computer Science

	Time Table of B.	Sc(Optional) F.Y./S	S.Y/.T.Y-2021-22		
Time	8.15 To 10.30 (Practical)	8.15 To 10.30 (Practical) 12.30 to 1.20		300 to 5.30	
Day	(Tractical)				
Monday			Web Designing (B.Sc.T.Y.)	B.Sc.T.Y (Practical)	
Tuesday			Web Designing (B.Sc.T.Y.)		
Wednesday			Web Designing (B.Sc.T.Y.)		
Thursday		Digital Electronics F.Y.	-		
Friday	B.Sc. F.Y. (Practical)	Digital Electronics F.Y.			
Saturday	B.Sc. F.Y. (Practical)	Digital Electronics F.Y.			

Theory	Practical	Total
02X03=06	03x03=09	15

HEAD
Department Of Computer Science
Sunderrao Solanke Mahavidyalaya
Majalgaon Dist.Beed

Solanke Vikas Balasaheb



### Sundarrao Solanke Mahavidhyalya Majalgaon

### Department of Computer Science

Time Table of BCS F.Y./S.Y/.T.Y - 2021-22

	Т		
Гіте Day	10.00 to 10.50 (F.Y.)	12.30 to 1.20	1.20 to 3.45 (Practical)
Monday		Digital Electronics (B.Sc F.Y.)	
Tuesday		Digital Electronics (B.Sc F.Y.)	
Wednesday		Digital Electronics (B.Sc F.Y.)	
Thursday	DBMS (BCS SY)	¥	BCS F.Y. (Practical)
Friday	DBMS (BCS SY)	=	BCS S.Y. (Practical)
Saturday	DBMS (BCS SY)		BCS F.Y. (Practical)

Theory	Practical	Total
02X03=06	03x03=09	15

HEAD

Department Of Computer Science
Sunderrao Solanke Mahavidyalaya
Majalgaon Dist.Beed

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Solanke Vikas Balasaheb

## Sundarrao Solanke Mahavidhyalya Majalgaon

### Department of Computer Science

Time Table of B.C.A F.Y./S.Y/.T.Y - 2021-22

Time	10.00 / 10.50 (F.W.)	12.20 / 1.20	1.20 to 3.45 (Practical)	
Day	10.00 to 10.50 (F.Y.)	12.30 to 1.20		
Monday		Digital Electronics (B.Sc F.Y.)		
Tuesday		Digital Electronics (B.Sc F.Y.)	-	
Wednesday		Digital Electronics (B.Sc F.Y.)		
Thursday	DBMS (BCA SY)		BCA F.Y. (Practical)	
Friday	DBMS (BCA SY)		BCA S.Y. (Practical)	
Saturday	DBMS (BCA SY)		BCA F.Y. (Practical)	

Theory	Practical	Total
02X03=06	03x03=09	15

HEAD
Department Of Computer Science
Sunderrao Solonio Mahavidyalaya

Solanke Vikas Balasaheb

#### ANNUAL TEACHING PLAN

Name: Solanke Vikas Balasaheb

Subject: DIGITAL ELECTORINICS (Code:-CS02)

Year: 2021-22

Sr. No.	Subject/Paper	Jully	August	September	October
1	Semester : Ist	Number Systems	Number Systems and Arithmetic Decimal	3 Minimization Techniques	6 Counters Introduction:
	Semster	and Arithmetic	Number System & Binary Number System	Introduction, Minterms and	Asynchronous/ ripple
	B. Sc. Ist year	Decimal Number	Decimal to Binary conversion (Double-	Maxterms K-Map, K-map	counter Modulus Counter
		System & Binary	dabble method only)	for 2 variables	, MOD-12 counter
	Paper	Number System	Binary to Decimal Conversion	K-map for 3 variables	Synchronous counter:
	DIGITAL	Decimal to Binary	Binary Arithmetic : Binary addition,	K-map for 4 variables	Synchronous serial &
	ELECTORINICS	conversion (Double-	subtraction,	4 Combinational and	synch
		dabble method only)	multiplication & division	Arithmetic Logic Circuits	parallel counter
	(Code:-CS02)	Binary to Decimal	Hexadecimal number system, Hexadecimal	Half Adder & Full Adder	BCD counter
		Conversion	to binary, binary to Hexadecimal,	Binary parallel Adder	Ring counter
		Binary Arithmetic:	Hexadecimal to decimal conversion	Half Subtractor, Full	Johnson counter
		Binary addition,		Subtractor	7 Shift Registers
		subtraction,	Hexadecimal arithmetic: Addition,	Adder/Subtractor in 2's	Introduction, Buffer
		multiplication &	subtraction,	complement system	register
		division	multiplication & division	BCD to Decimal decoder	Serial- in serial -out,
		Hexadecimal		2:4 demultiplexer	Serial-in parallel-out
		number system,	Binary subtraction using 1' complement, 2's	4 line to 1 line multiplexer	Parallel-in serial-out,
	1	Hexadecimal to	complement method	5 Flip Flops	parallel-in parallel-out
		binary, binary to	2 Boolean Algebra and Logic Gates	Introduction: RS FF	
	1	Hexadecimal,	Postulates of Boolean Algebra Theorems of	Clocked RS FF, D FF	
	1	Hexadecimal to	Boolean Algebra: Complementation,	Triggering, preset and clear	
		decimal conversion	commutative, AND, OR, Associative,	JK FF, T FF, Race around	
	1		Distributive,	condition	
			Absorption laws, De Morgan's theorems	Master slave FF	
			Reducing Boolean expressions Logic Gates		
			: AND, OR, NOT, Ex-OR, Ex-NOR NAND		
			as Universal building block		

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Department Of Computer Science
Sunderrao Solation schavidyalaya

#### ANNAUAL TEACHING PLAN

Name: Solanke Vikas Balasaheb

Subject: Operating System (Code:-CS04)

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Year:	21	)Z	-22

Sr.	Subject/Paper	December	January	February	March
No. 1	Semester: II nd Semster B. Sc. I st year  Paper Operating System (Code:-CS04)	I Introduction to Software:  • Software: Definition, classification and components of software, operating system as the main component of system software; II Operating System Fundamental  • Operating Systems: OS as a resource manager, Structure of OS, OS functions, Characteristics of modern OS.  • Types of O.S.: Early systems, simple batch systems, multiprogrammed batch systems, Time sharing system, Personal Computer systems, Parallel systems, Distributed systems, Real time systems  • OS Structures: Components of OS: Process management, Memory management, Storage management, File management, I/O management.	III Process Management  Concept of Process: Process State, Operation on Processes, thread.  CPU Scheduling: Types of Schedulers, Criteria for scheduling, Scheduling Algorithms.  Process Synchronization: Need for synchronization, Critical Section, Hardware Synchronization, Semaphores, Monitors, Problem of synchronization.  Deadlocks: Concept of Deadlock, Deadlock Modeling, Methods for Handling Deadlock	Storage Management  • Memory Management: Address Binding, Logical vs. Physical Address space, Memory Allocation, Paging, Segmentation, Segmentation and paging of Intel Pentium.  • Virtual Memory: Demand Paging, Page replacement Algorithms (FIFO, Optimal, LRU), Virtual Memory in windows Xp.  • File System Interface: Files, File Access, Directory Structure, Protection  • Implementation of File System: Allocation Methods, Free space Management	I/O System • I/O System Components: I/O Devices, I/O Hardware, Application I/O interface • Secondary Storage Structure: Disk fundamental, Disk Scheduling, Disk Management

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#### ANNUAL TEACHING PLAN

Name: Solanke Vikas Balasaheb

Subject: Software Engineering

V	202	1 2022
Year:	202	1-2022

Sr.No.	Paper/Class	November	December	January
1	•	Unit:-I	Unit -II	Unit –III
	Semester : V	Software and Software	Software Process and Process Models	Principles That Guide Practice
	B.Sc.Third Year	Engineering	Software process Model Process Flow, Process	Principles That Guide Process, Principles
	New York Control of the Control of t	What is Software,	Models, Waterfall model, Incremental	That Guide Practice, Communication
	Paper No.:	Characteristics of	Process Model, Evolutionary Process Models,	Principles, Planning Principles, Modeling
	CSO15	software, categories of	Concurrent Models, Specialized Process	Principles, Construction Principles,
		Software, attributes of	Models, The Unified Process, Personal and	Deployment Principles
	Paper title:	WebApps, software	Team Process Models, Product and Process	
	Software	Engineering, Software	Agile	
	Engineering	Process, Essence	Introduction to Agility, Agility and the Cost of	
		Software Engineering	Change, Agile Process, Agility Principles,	
		Practice, General	Human Factors, Extreme Programming (XP),	
		Principles, Software	XP Values, XP Process, Industrial,	
		Myths	Critics of XP	]
		70		

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#### ANNAUAL TEACHING PLAN

Name: Solanke Vikas Balasaheb

Subject: Database Management System (CS305-T)

Year: 2021-2022

Sr. No.	Subject/ Paper	Jully	August	September	October
	B.C.S.Second Year III Sem.  Paper No :-CS305-T  Database Management System		Unit – I: Basic Concept  • Data Definition, Types of Data, Record and File, File based System & Processing  • Database System Application, Purpose of Database System  • Abstraction & Data Integration  • Three level Architecture proposal for a DBMS.  • Component of a DBMS: Users, Facilities & Structure.  • Advantageous & Disadvantageous of DBMS.  Data Modeling & Design  • Data Association – Entities, Attributes & Association, Relationship among Entities, Representation of Association & Relationships  • Data Model: Importance of Data Model, Types of Data Model: Relational, ER, Semi-structured, Object-Oriented, Network & Hierarchical Data Model.  Advantageous & Disadvantageous of above model.	Unit – II: Entity-Relationship Data Model  • Entity, Entity Set, Types of Entities, Strong & Weak Entity, Representation  • Attribute, Types of Attributes, Representation  • Relationship: Binary & Ternary, Representation  • Mapping Cardinality, Entity- Relationship Design Issues Relational Data Model  • Basic Structure of Relational Data Model, Database Schema  • Constraints: Integrity Rule 1 & 2  • Normal Form: Anomalies, Functional Dependency, Dependency Diagram, First Normal Form, Second Normal Form, Third Normal Form, Conversion from Universal to 1 NF, 1NF to 2 NF and 2NF to 3NF. UNIT TEST	Unit – III:Relational Algebra  • Basic Operation – Union , Intersection, Difference and Cartesian Product  • Advance Operation- Projection, Selection, Join ( Inner and Outer) & Division  • Examples based on above Operation.  • Relation Algebraic Queries. Introduction to Oracle  • Oracle Software: Versions of Oracles, Products of Oracle Tools of Oracle  • SQL: Logging to SQL/ iSQL, SQL plus worksheet.

2 playee

### ANNAUAL TEACHING PLAN

Name: SolankeVikas Balasaheb

Subject: Advance Database Management System (CS405-T)

Year: 2020-21

Sr.	Subject/Paper	March	April	May	June
No. 2	Semester: IV th B.Sc(Computer Science)III rd yearPaper Adv.Database Management System (Code:-CS405-T)	Introduction to Syllabus Structured Query Language: SQL: Characteristics of SQL, Advantage of SQL, SQL data types and literals. Types of SQL commands. SQL operators and their procedure. Tables, views and indexes. Queries and sub queries. Aggregate functions. Insert, update and delete operations. Joins, Unions, Intersection, Minus, Cursors in SQL.	Transaction Management :Transactions Processing Transaction Concept ,Transaction State ,Implementation of Atomicity and durability ,Concurrent Executions ,Serializabilty ,Recoverability ,Implementation of isolation , Testing for Serialization	Concurrency Control Techniques: Lock-Based Protocols, Timestamp-Based Protocols, Deadlock Handling. Database System Architecture & Data Storage: Database System Architecture: Centralized and Client-Server Architecture, Server System Architecture, Parallel System Distributed Systems Network Types	Data Storage: Overview of Physical Storage Media ,Magnetic Disk ,RAID ,Tertiary Storage Storage Access

Lotanke

#### ANNAUAL TEACHING PLAN

Name: Solanke Vikas Balasaheb

Subject: Database Management System (CA301T)

Year: 2021-22

Sr. No.	Subject/ Paper	September	October	November	December
Dece mber	Semester : III rd B.C.A. II nd year Paper Database Management System (CA301T)	Introduction to Syllabus 1 Introduction to Basic Concepts of DBMS: Database System Application ,Purpose of Database System, Database Architecture: 3- Level architecture, Database Users & Administrators Responsibilities, Functional Components of Database system: Storage & Query Processor Transaction Management	2 Data Modeling & Design Type of Data Model: Relation Data Model, E-R Data Model, Object Based Data Model, Semi- Structured Data Model , Hierarchical & Network Data Model E-R Data Model: Entity, Entity set, Entity types, Attributes, Types of Attributes, E-R diagram.	Mapping Cardinalities , Data Association Constraints : Integrity constraints I & II Database Design : Overview of Design Process, Designing Phase, Normalization(1NF,2NF, 3 NF)	Relational Data Model Basic Structure, Database Schema, Integrity Rules, E.F.Codds Rules Relational Algebra: Union, Intersection, Difference, Cartesian Product, Selection, Projection, Join: Natural & Outer Join, Division

Votente

#### ANNAUAL TEACHING PLAN

Name: Solanke Vikas Balasaheb

Subject: Adv. Database Management System (Code:-CA401T)

Year: 2021-22

Sr. No.	Subject/Paper	March	April	May	June
2	Semester: IV th B.C.A. II nd year Paper Adv.Database Management System (Code:-CA401T)	Introduction to Syllabus Introduction to SQL:SQL Environment Data Definition Language: Naming Rules and Conventions, Data types, Constraints, Creating Table, Displaying Table Information, Altering an Existing Table, Dropping a Table, Renaming a Table	Data Management and Retrieval: Data Manipulation Language: Adding a New rows/records, Updating Existing records, Deleting records, Retrieving Data from a Table, Working with Tables: Function & Grouping Multiple Tables: Joins and Set	Operators, Subqueries: Nested Queries Objects, Transactions and Data Control	PL/SQL: An Introduction  PL/SQL: Syntax overview, block structure. Variables, program flow, procedures, functions, triggers, cursors

Yotanke

#### **Biodata Format**

#### Name of Institute:

Full Name		Mr. SOLANKE VIKAS	BALASAHEB	
Name of Post		Assistant Professor		
Subject		Computer Science		
Specialisation		Computer Science		
Caste Category Appo	inted From	Maratha (Open)		
UG/ PG Teacher		UG		
Address & Contact Details		Sunderrao Solanke Mahavidyalaya , Majalgaon Dist.Beed -431131 Mobile No: 9922698909 Email:vik.solanke@gmail.com		
Gender	Male	Date of Birth: 23/05/1	L977	
Mother tongue	Marathi	Knowledge of: Marathi Hindi, English	Specially Abled: No	



:: Caste Category of Candidate

Category : Open Cast : Maratha

:: Educational Qualification (Start from Ph.D/PDF to SSC): M.Sc.B.Ed.

Name of Exam	Board/University	Passing Mon- Year	Stream/Subject	Obtained/ Total Marks	% or Grade Point
S.S.C.	Aurangabad	March -1992	Marathi,English,Science ,Math	490/700	70 %
H.S.C.	Aurangabad	March -1995	Science	423/600	70.50 %
B.Sc.	Dr.B.A.M.U.Aurangabad	M/A -1998	Science	2220/37 00	60 %
M.Sc.	Dr.B.A.M.U.Aurangabad	M/A - 2001	Computer Science	410/600	64.16 %
B.Ed	University of Mumbai	April -2006	Science	270/500	54 %

#### :: Work Experience

Name of Employer	Type of Service	Designation	Nature of Post	From-To	Pay scale	Approva date
V.B.Solanke		Assistant Professor	СНВ	2003-2022	Fix Pay	
					-	

#### :: Research Papers/ Conference Proceedings

Type of Journal	Title with Page No.	Journal Details	Published year	Sole/ Co- Author	Peer Review/Impact Factor	API Score
Nil			,			

#### :: Paper Presented in Conference/Workshop/Symposium

Title of Paper	Type of Conf./Workshop/Symposium	Details of Conf./Workshop/Symposium	Organiser Details	Proceedings Published?	Sole/ Co- author	API Score
	Nil					

:: Research Publications- Books, Chapters, Articles etc. : Nil

Publication	Title of Book	Publisher	Book ISSN/ISBN	Published	Sole/ Co-	<b>API Score</b>
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: Details of Rese	arch Stu	idents guid				h.D. :	Nil						
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:: Details of Rese	arch Sc	hemes/ Pr	oject			ncies	undertake	n : Nil					
Project Nar	ne	Fundin	-	Fur Mobil			encement	Comple		W	orked	as	API
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Cor	ırse/Pa	per		Consulted			Prescribed		- 1	Resources Provided			
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CATEGORY II: C	O-CURF	RICULAR, E	XTEN	ISION	& PR	OFESS	IONAL DE	VELOPM	IENT	REL	ATED	ACT	VITIES
1. Student relat based activities NSS/NCC & oth subject related	(such a er chan events,	is extensio nels, cultui advisemer	n wo	rk thre tivitie	ough s,				:				ž.
2. Contribution of the department participation in committees & r	to Corp ent & in acaden esponsi	orate life 8 stitution th nic & admir bilities	roug	h	ent	×				-			
3. Professional participation in	Develop	ment Activ	vities	(such	as					-			

	Teaching Methods				
Sr.No.	Short Description				
1	Chalk & Black board Method				
2	Practical Demonstration Method				
3	Lectures & Seminars				
	Teaching Aids				
Sr.No.	Short Description				
1	Models used for Teaching				
2	ICT based teaching like PPT with help of Computer				
3	Laboratory Practicals				
4	Printed study materials & notes				
5	Provided study material on WhatsApp Groups				

Solanke Vikos Balosaheb

## Sunderrao Solanke Mahavidhyalya Majalgaon Compu

Department of Computer Science

Time Table of BSc(optional	) FY/SY/TY/- 2021-22
The racie of Bbe(optional	1 1 1 1 1 0 1 1 1 1 1 - 2021-22

Time Table of BSc(optional) F.Y./S.Y/.1.Y/ - 2021-22					
Time Day	8.15 To 10.30 (Practical) 2.10 to 3.00		3.00 to 5.20		
Monday	B.Sc. S.Y. (Practical)	Adv DDBMS(B.Sc.S.Y.)			
Tuesday		Adv DDBMS(B.Sc.S.Y.)	B.Sc. T.Y. (Practical)		
Wednesday		Adv DDBMS(B.Sc.S.Y.)			
Thursday		DCN (B.Sc.T.Y.)			
Friday		DCN (B.Sc.T.Y.)	,		
Saturday		DCN (B.Sc.T.Y.)			

Theory	Practical	Total
02X03=06	02x0 <b>2</b> =06	12

HEAD
Department Of Computer Science
Sunderrao Solarika Mahavidyalaya
Majalgaon Dist, Beed

Swami Siddhant Dayanand

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PRINCIPAL Sunderrao Solanke Mahavidyalya Majalgaon Dist. Beed (M.S.)

## Sunderrao Solanke Mahavidhyalya Majalgaon Solanke Majalgaon Majalgaon Solanke Majalgaon Solanke Majalgaon Majalgaon

Department of Computer Science

Time Table of	BCS	F.Y./S.Y	/.T.Y/ -	2021-22
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Time			
Day	10.50 to 11.40	11.40 to 12.30	1.20 to 3.45 (Practical)
Monday		Basic of Net.	BCS S.Y. (Practical)
Tuesday		Basic of Net.	BCS F.Y. (Practical)
Wednesday		Basic of Net.	
Thursday	Computer Fundamental	-	
Friday	Computer Fundamental	-	
Saturday	Computer Fundamental	-	BCS/BCA F.Y. (Practical)

Theory	Practical	Total
02X03=06	03x03=09	15

Department Or Computer Science Sunderrao Solanke Mahavidyalaya Majalgaon Dist.Beed

Swami Siddhant Dayanand



PRINCIPAL Sunderrao Solanka Mahavidyalya Majalgaon Dist. Beed (M.S.)

# Sunderrao Solanke Mahavidhyalya Majalgaon

Department of Computer Science

Time Table	of B.C.A	F.Y./S.Y/	T.Y/ -	2021-22
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Time		11 1.1.0.17.11.17 202	5 *
Day	10.50 to 11.40	11.40 to 12.30	1.20 to 3.45 (Practical)
Monday		Basic of Net.	BCA S.Y. (Practical)
Tuesday		Basic of Net.	BCA F.Y. (Practical)
Wednesday		Basic of Net.	
Thursday	Computer Fundamental		
Friday	Computer Fundamental		
Saturday	Computer Fundamental		BCA F.Y. (Practical)

Theory	Practical	Total
02X03=06	03x03=09	15

Department Of Computer Science
Sunderrao Solanke Mahavidyalaya
Majalgaon Dist.Beed

Swami Siddhant Dayanand



PRINCIPAL Sunderrao Solanke Mahavidyalya Majalgaon Dist. Beed (M.S.)

### ANNAUAL TEACHING PLAN

Name: Swami S.D.

Subject: Computer Fundamentals (CS111 T)

Year: 2021-2022

Sr. No.	Subject/ Paper	November	December	January	February
1	Semester: Ist B.Sc.(C.S.) - I Seme) Computer Fundamentals (Code:-CS111T)	Unit-I 1. Fundamentals of Computer System • Characteristics & features of Computers. • Components of Computers. • Organization of Computer. Examples 3. Computer Generation & Classification • Generation of Computers : First to Fifth • Classification of Computers : Distributed & Parallel computers	Unit-II 5. Computer Memory • Memory Cell & Organization • Types of Memory (Primary And Secondary): RAM, ROM, PROM, EPROM o Secondary Storage Devices ( FD, CD, HD, Pendrive, DVD, Tape Drive, DAT) 6. I/O Devices • Input Devices: Touch screen, OMR, OBR, OCR, Light pen, Scanners • Output Devices: Digitizers, Plotters, LCD, Plasma Display, Printers	Unit – III 7. Processor • Structure of Instruction, Description of Processor, Processor Features • RISC & CISC 8. Operating system Concepts • Why Operating System?, Functions of Operating System , Booting of OS & it's type	Types of Operating System: Batch O.S., Multiprogramming O.S., Time Sharing O.S, Unit IV Interner, world wide web Unit V Test And Tutorial

Department Of Computer Science SURPERINGUE Scheputen Science laya Majalgaon Dist.Beed

### ANNAUAL TEACHING PLAN

Name: Swami S.D.

Subject: Data Structure (CS201-T)

Year: 2021-22

Sr. No.	Subject/Paper	March	April	May	June
1	Semester: II nd Sem B.Sc.(Computer Science) I st year Data Structure (Code:- CS201- T))	Unit-I  1. Introduction to Data Structure:  • Introduction  • Basic Terminology: Data item, Fields, Records, Files, Entity, Attributes  • Data Organization and Data Structure  2. Arrays  • Representation of Linear Arrays  • Traversing, Insertion and Deletions  • Sorting & Searching Algorithms  • Multidimensional Arrays: 2D & M-D Concept  • Record: Record Structures, Representation in Memory	Unit-II  3. Linked List • Concept of Linked List • Representation of linked List in memory • Traversing a linked list • Searching a linked list: sorted and unsorted • Insertion & Deletion in Linked List • Header Linked List & Two way List	Unit-III  4. Stacks, Queues, Recursion • Stack: Operation, Array Representation of Stack, linked representation of stack, Arithmetic Expression POLISH & POSTFIX,	Application of stacks: Quicksort, Recursion.     Queue: Representation of queues & link.     Types of Queues Deques & Priority Queues

HEAD

Department Of Computer Science Sunderrao Solanke Mahavidyalaya Majalgaon Dist.Beed

Jan ;

#### ANNAUAL TEACHING PLAN

Name: Swami S.D.

Subject: OBJECT ORIANTED PROGRAMMING USING C++:- CS304-T)

Year: 2021-2022

Sr. No.	Subject/ Paper	November	December	January	February
1	Semester: III rd	Unit I	setw manipulator	allocation for objects,	2 Operator
	B.Sc.(Computer	1 Introduction of OOP	2 Functions in C++:	static data members	Overloading:
	Science) Ist year	Procedural Vs Objecst	Function prototype, Call by	and member functions	Overloading unary
	Paper I	Oriented Programming, Basic	reference (using reference	Array of objects, Objects	operators, Rules for
	OBJECT	concepts of Object Oriented	variable), Return by reference,	as	operator
	ORIANTED	Programming, Class, Object,	Inline function, Default	function argument,	overloading,
	PROGRAMMING	Data Abstraction,	arguments, Const arguments.	returning objects, Friend	Overloading without
	USING C++	Encapsulation, Inheritance,		function and	friend function and
	(Code:- CS304-T)	Polymorphism, Dynamic	Unit II	its characteristics.	using friend
		Binding, Message Passing.	1 Function overloading:		function,
		Benefits and applications of	Different numbers and different	Unit III	operators,
		OOP, History and overview	kinds of arguments,	1 Constructors and	Concatenating
		of C++, C++ program	2 Objects and Classes:	Destructors:	Strings, Comparison
		structure. Reference variables,	Specifying a class, private and	Introduction, default and	operators
		Scope resolution operator,	public, Defining member	parameterized	Overloading binary
		Member de-referencing	functions, Nesting of member	constructors,	operators such
		operators, new and delete, cin	function, Object as data	Multiple constructors in	as arithmetic and
		and cout, The endl and		a class, Copy	relational
			types, Memory	Constructor,	
				Destructors	
				operators	

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#### **Biodata Format**

#### Name of Institute:

Full Name		Mr.Swami Siddhant Dayan	and	
Name of Post		Assistant Professor		
Subject		Computer Science		Marie Carlo
Specialisation		Computer Science		
Caste Category Appo	inted From	Mahar(SC)		
UG/ PG Teacher		UG		
Address & Contact D	etails	Sunderrao Solanke Mahavidyalaya , Majalgaon Dist.Beed -431131 Mobile No : 7972859024 Email:siddhant.swami5@gmail.com		
Gender	Male	Date of Birth: 11/10/1991		
Mother tongue	Marathi	Knowledge of Marathi: Hindi,English	Specially Abled:	

:: Caste Category of Candidate

Category : SC Cast : Mahar

:: Educational Qualification (Start from Ph.D/PDF to SSC)

Name of Exam	Board/University	Passing Mon- Year	Stream/Subject	Obtained/ Total Marks	% or Grade Point
SSC	State Board Pune	Jun-2006	Mar,Eng,Sci,Math	629/750	83.86
HSC	State Board Pune	Jun-2008	Phy,Chem,Bio,Math,Sanskruit	355/600	59.17
BCS	BAMUA	Oct-2012	Computer Science	2457/3000	81.9
MCA	Pune University	May-2016	Computer Application	1887/2600	61.9

#### :: Work Experience

Name of Employer	Type of Service	Designation	Nature of Post	From-To	Pay scale	Approva date
Swami Siddhant Dayanand		Assistant Professor	СНВ	2018-2022	Fix Pay	

#### :: Research Papers/ Conference Proceedings Nil

Type of Journal	Title with page No.	Journal Details	Published year	Sole/ Co- Author	Peer Review/Impact Factor	API Score

#### :: Paper Presented in Conference/Workshop/Symposium Nil

Title of Paper	Type of Conf./Workshop/Symposium	Details of Conf./Workshop/Symposium	Organiser Details	Proceedings Published?	Sole/ Co- author	API Score
		:				

#### :: Research Publications- Books, Chapters, Articles etc. Nil

Publication Type	Title of Book	Publisher Details	Book ISSN/ISBN	Published Year	Sole/ Co- author	API Score

#### :: Details of Research Students guided for M.Phil./Ph.D. Nil

Student Name   Degree   Registration   Award of Degree   Branch/Title   De	/Title Degree	Branch/Title	Award of Degree	Registration	Degree	Student Name
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Details of Resea				-				*:			API
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1. Details of Lec	tures, Ser	minars, 1	Tutorials,	Practi	cals, C	ontact Hrs	1				
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participation in seminars, conferences, short term, training courses, talks, lectures, membership of associations, dissemination & general articles, not covered above) API Score (Max Score:15)	
Training Courses, Teaching, Learning Evaluation Technology Programmes, Faculty Development Programmes (Not less than one week duration) API Score	
Invited lectures or presentations for conferences/symposia	
Design of new course & curriculum	
Particulars of current research work at personal level	
Co-curricular & extra-curricular activities	
Consultancy work carried out	
Patents & IPR Details:	
Any other information you wish to specify	
Teachin	a Methods

	reaching rictious				
Sr.No.	Short Description				
1	Chalk & Black board Method				
2	Practical Demonstration Method				
3	Lectures & Seminars				
	Teaching Aids				
Sr.No.	Short Description				
1	Models used for Teaching				
2	ICT based teaching like PPT with help of Computer				
3	Laboratory Practicals				
4	Printed study materials & notes				
5	5 Provided study material on WhatsApp Groups				

Swami siddhant Dayanand

# Sunderrao Solanke Mahavidhyalya Majalgaon

Department of Computer Science

Time Table of BCS F.Y./S.Y/.T.Y - 2021-22

Time				
Day	09.10 to 10.00	10.50 to 10.11.40	11.40 to 12.30	1.20 to 3.45 (Practical)
Monday	C++	Microprocessor-	PHP-I	
Tuesday	C++	Microprocessor-	PHP-I	BCS F.Y. (Practical)
Wednesday	C++	Microprocessor-	PHP-I	BCS S.Y. (Practical)
Thursday		Core Java		BCS T.Y. (Practical)
Friday		Core Java		
Saturday		Core Java		

Theory	Practical	Total
04X03=12	03x03=09	21

Department Of Computer Science
Sunderrao Solanke Manavidyalaya
Majalgaon Dist.Beed

Jawkar Rutuja Deepak

PRINCIPAL Sunderrao Solanke Mahavidyalya Majalgaon Dist. Beed (M.S.)

## Sunderrao Solanke Mahavidhyalya Majalgaon

Department of Computer Science

Time Table of B.C.A F.Y./S.Y/.T.Y - 2021-22

				20
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Tuesday	C++	Microprocessor-I	PHP-I	BCA F.Y. (Practical)
Wednesday	C++	Microprocessor-I	PHP-I	BCA S.Y. (Practical)
Thursday		Core Java		BCA T.Y. (Practical)
Friday		Core Java		
Saturday		Core Java		

Theory	Practical	Total
04X03=12	03x03=09	21

HEAD
Department Of Computer Science

Sunderrao Sci a mahavidyalaya Majalgaon Dist.Besd Jawkar Rutuja Deepak



PRINCIPAL Sunderrao Solanke Mahavidyalya Majalgaon Dist. Beed (M.S.)

### SUNDERRAO SOLANKE MAHAVIDYALAYA MAJALGAON

#### ANNAUAL TEACHING PLAN

Name: Jawakar Rutuja Deepak

Subject: Microprocessor - I (CS103T)

22

Sr. No.	Subject/ Paper	September	October	November	December
	B.Sc.(C.S.) I Seme.	UNIT – I  1. Introduction to Microprocessor and Microcomputer  • Historical background  • Microprocessor based personal computer system  • Computer data formats  2. 8086 Hardware specification  • Microcomputer structure and operation	8086 internal architecture ,     Real Mode & Protected Mode Memory Addressing, Memory Paging.     Introduction to programming 8086 : Prog.lang.     UNIT – II     3. Addressing Modes     Program memory addressing modes     Stack memory addressing modes	4. Data Movement Instructions (Inst.related with 8086 only)  • MOV revisited: Machine language, the op-code, MOD field, resister assignment, R/M memory addressing, special addr. mode	UNIT – III 5. Data Movement Instructions () • PUSH/POP, initializing stack. • Miscellaneous data transfer instructions: XCHG, LAHF & SAHF 6. Arithmetic instructions • Addition, subtraction and comparison • Multiplication and division • BCD and ASCII arithmetic

Rutinja

Department Of Computer Science Sunderrao Solanke Mahavidyalaya Majalgaon Dist.Beed

Year: 2021-

#### ANNAUAL TEACHING PLAN

Name: Jawakar Rutuja D.

Subject: Micro Processor – II B.Sc.(C.S.) II Seme.)

Year: 2021-22

Subject/ Paper	January	February	March	April
S.Sc.(C.S.) II Seme.	UNIT – I  1. 8086 Microprocessor: Logic instructions  • Basic logic Instructions: AND, OR, Exclusive-OR, NOT, NEG  • Shift and rotate  2. Program control Instructions  • The JUMP group Instruction: Conditional & Un- Conditional.  • Procedures - CALL & RET  • Controlling the Flow of an Assembly Language Program  □ Loops - WHILE, REPEAT UNTIL  • Machine Control & Miscellaneous Instruction: WAIT, NOP, HALT, LOCK, ESC, ENTER, BOUND, LEAVE UNIT – I  1. 8086 Microprocessor: Logic instructions  • Basic logic Instructions: AND, OR, Exclusive-OR,	NOT, NEG  • Shift and rotate  2. Program control Instructions  • The JUMP group Instruction: Conditional & Un-Conditional.  • Procedures - CALL & RET , LOCK, ESC,  2. Program control Instructions  • The JUMP group Instruction: Conditional & Un-Conditional.  • Procedures - CALL & RET  • Controlling the Flow of an Assembly Language Program  □ Loops - WHILE, REPEAT UNTIL  • Machine Control & Miscellaneous Instruction : WAIT, NOP, HALT, LOCK, ESC, ENTER, BOUND, LEAVE	UNIT – II 3. Programming the Microprocessor • String Procedure & Macros • Modular Programming – Assembler & linkers.  Instructions – AAA, AAD, AAM, AAS, ADC, ADD, SUB, MOV, DAA, DEC, DIV, ESC, HALT, INT, INC, INTO, JNZ, JZ, JMP, LOOP, LOOPZ, MUL, MOVS, POP, PUSH, RET, ROR, SBB, WAIT, XCHG.	UNIT – III  4. Interrupts  • Basic Interrupt Processing, Hardware Interrupts, 8259 A Programmable interrupt Controller, Interrupt Examples.  5. DMA & DMA Control I/O  • Basic DMA Operation, 8237 DMA Controller, Shared Bu Operation, Disk Memory Systems, Video Displays

Sunderrao Solanke Mahavidyalaya Majalgaon Dist.Beed

#### ANNAUAL TEACHING PLAN

Name: Jawakar Rutuja Deepak

Subject: Principle of Management CA303T (III Sem.)

Year: 2021-22

		October	November	December
BCA III	Unit – I	Unit-II	Staffing:	Controlling
Subject/ Paper BCA III Sem.	September  Unit – I Introduction: Management administration, organization concepts, definition, scope and importance of management. Evaluation of management, early contribution and modern management thought and pattern. Principles of Management: Division of work authority & responsibility, discipline – unity of command and direction, centralization remuneration. Scar, chain order equity, initiative	Unit-II Function of management Planning: nature and purpose, objectives – planning premise,forecasting decision making, policy formulation and planning in action Organizing: forms and complexities or organization in business, trading forms and modern forms. University of organization, nature and purpose of organization, organization charts – span of management, departmentationline, staff relationships, functional aspects, delegation and decentralization of	Staffing: The managerial job selection of managers, appraisal of management, personnel, development and training of managers, developing the executive tomorrow 3 Unit-III Direction: Nature of direction, motivation – Human factors in business administration, organization as a special behaviours, participation in management, communication leadership in administration,	Controlling Control process devices of control, overall control of performance ration analysis- management audit,control, quality control- advance control techniques,PER T, CPM etc. Coordination: Need, principles and techniques
		relationships, functional aspects, delegation	communication leadership in	

#### **Biodata Format**

#### Name of Institute:

Full Name		Jawkar Rutuja Deepak		BOX DEC.
Name of Post		Assistant Professor		
Subject		Computer Science		CONTROL OF THE PARTY OF THE PAR
Specialisation		Computer Science		TONG A
Caste Category Appointe	d From	Kasar (OBC)		
UG/ PG Teacher		UG		
Address & Contact Detai	ls	Sunderrao Solanke Mahav Majalgaon Dist.Beed -431: Mobile No : 832939229! Email:rutuja.jawkar410	131 <b>9</b>	
Gender	Female	Date of Birth : 04/10/1	(1)	
Mother tongue :Marathi	Marathi	Knowledge of : Marathi Hindi,English	Specially Abled: No	(2) (4) (4)

:: Caste Category of Candidate

Category : OBC Cast : Kasar

:: Educational Qualification (Start from Ph.D/PDF to SSC)

Name of Exam	Board/University	Passing Mon- Year	Stream/Subject	Obtained/ Total Marks	% or Grade Point
ssc	State Board Pune	March-2010	Eng,Math,Sci	475/550	86.36
Diploma in Computer Technology	State Board Of Technical Education	May-2013	Computer	604/775	77.94
B.E.	Savitribai Phule Pune University	Jun-2016	Computer	930/1500	

#### :: Work Experience

Name of Employer	Type of Service	Designation	Nature of Post	From-To	Payscale	Approval date
Jawkar Rutuja Deepak		Assistant Professor	СНВ	2020-2022	Fix Pay	

#### :: Research Papers/ Conference Proceedings

Type of Journal	Title with Page No.	Journal Details	Published year	Sole/ Co- Author	Peer Review/Impact Factor	API Score
		-				

#### :: Paper Presented in Conference/Workshop/Symposium

Title of Paper	Type of Conf./Workshop/Symposium	Details of Conf./Workshop/Symposium	Organiser Details	Proceedings Published?	Sole/ Co- author	API Score

#### :: Research Publications- Books, Chapters, Articles etc.

Publication Type	Title of Book	Publisher Details	Book ISSN/ISBN	Published Year	Sole/ Co- author	API Score

^{::} Details of Research Students guided for M.Phil./Ph.D.

Student Name	Degree	Registration Date	А	ward of D	egree	E	Branch/Ti	itle	Degree Status
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Project Name Funding		Fund	Comm	mencement Completi		Worked		l as API Score	
			-	100		$\exists$			
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B.Sc.(Opti	onal)	UG		ICT/Ora			12hr		100
BCS		UG		ICT/Ora			12hr		100
ВСА		UG		ICT/Ora	<u> </u>		12hr		100
API Score for Classe proportionate score piven)	) up to 80% per	formance; belo	w whic	h no score	may be	e			
. Reading/ Instruct					-	ces pi	rovided to	o stu	dents:
						то р	-		itional
Course	/Paper	Со	nsulted	1	Prescribed		d	Resources Provided	
DT Score based on	nrenaration & i	mparting knowl	odao / i	instruction	25 25		1		
urriculum & syllabu Max Score:20) . Use of Participato f subject content, c	ry & Innovative	y providing add	itional	resources	to stud	ents			
urriculum & syllabu Max Score:20) . Use of Participato f subject content, c .PI Score (Max Scor	ry & Innovative course improvence:20)	y providing add Teaching-Lear nent etc.	itional	resources	to stud	ents ating			
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participation in seminars, conferences, short term, training courses, talks, lectures, membership of associations, dissemination & general articles, not covered above) API Score (Max Score:15)	
Training Courses, Teaching, Learning Evaluation Technology Programmes, Faculty Development Programmes (Not less than one week duration) API Score	
Invited lectures or presentations for conferences/symposia	
Design of new course & curriculum	
Particulars of current research work at personal level	
Co-curricular & extra-curricular activities	
Consultancy work carried out	
Patents & IPR Details:	
Any other information you wish to specify	

#### **Teaching Methods**

1	reaching rictious
Sr.No.	Short Description
1	Chalk & Black board Method
2	Practical Demonstration Method
3	Lectures & Seminars
	Teaching Aids
Sr.No.	Short Description
1	Models used for Teaching
2	ICT based teaching like PPT with help of Computer
3	Laboratory Practicals
4	Printed study materials & notes
5	Provided study material on WhatsApp Groups

Jawker Rivinga Deepak

Coordinator
Internal Quality Assurance Cell (IQAC)
Sunderrao Solanke Mahavidyalaya,
Majalgaon, Dist.Beed (MS)



Sunderrao Solanke Mahevidyalya Majalgaon Dist. Beed (M.S.)