	Name of the College : TSWROCW, Manchedal SEMESTER II: PLAN
Name of the Course	B.Sc(DS-I) [2023-2024]
Pubject	Computer Science
Paper Name	
Paper Code	Programming With 'C'
earning Outcomes	Student will be able to learn  > It provides exposure to problem solving through programming.  > Basic concepts of 'C' programming  > provide complete knowledge of the  >. Also by learning the basic programming Constructed they can easily switch over to  any other language in tuture.
aculty Name	Zikren Syed & Md. Reshma

Unit I	Topics	Teaching Pedagogy, Teaching Alds, Corrientia Extra-curricular Activities etc.	
Ĺ	*Computing Concepts:-  -> Programming Languages  -> Translator, slwis  >> Problem solving  Techniques	> Lecture > Audio/Video Visual's > Blackboard > Assignment on Algorithm, Flowchart	06
	+ Overview of 'C'  - History  - structure of 'C'  - Executing 'C' progress	-> collaboration  -> Blockboard & chalk  -> creation & execution of  'C' program	06

	Constants Vonables + Doto oypes	Lecture, piscussion, Blackboard, short seminor	0
	Operators 4 Expressions	- Propred class, - ppt / Blockboard - creation + execution of programs	04
	Input toutput operations	-student voice  - Blackboard  - Identifying I/o dwices  - Glip Test	04
Unit- T	Bronching	- Discussion  - Audio/Video Visual's  - Lecturer  - short questions  - Assignment	08
	Looping Statements	- conduction of quiz-	06
	Arroye	- student Voque .  - Blackboard / PPT's  - Stip Test	04
Unit-10	choracter Arrayst	Group discussion, Lecture.	08
	fundions	Per-Rusew, Projector/TV (PPT), chart questions	12
	AND PROPERTY.	The section of a	

Unit-1V Title	Pointers	Student voice PPT. Conduction of quiz	04
	structures +	execution of programs	08
	File monagement	stip Test	06
		Total Hours	8
Facult	y Nome = Zikron .S	yed - 15000 Sum 8/2	
	ord Rest	TSWRDC(W), MAN	AL



Name of the College TEINIRDCCHD, Marchenal

Names of the Course	Data Ocionce II, ComII
Subject Papez Mame	Data Eggineening with Python
Paper Name Gubject	ComputerScience
Paper Code	to the second of
Learning Outcomes	Able to :  able to :  tend of the course the student will be  able to :  tend data  tend data  conservation operations  con USe regular expression operations  con USe regular expression operations  con USe Relational databases via SQL  con USe Relational databases via SQL  con USe tabular Humeric data  con USe tabular Humeric data  con USe the data Structures; data Series & frames  con USe Phyrot Pyplot for vicualization
Faculty Name	B. Tyothi.

Topics	Teaching Pedagogy, Teaching Aids, Curricular, Extra-curricular Activities etc.	No. of Hours
Introduction to Datascience	Blackboard & chalk	02_
Filese Working with Text Dala.	Computer (Gearching o following Streethares)	06
working with text-	Python IDLE 3.10.6 platform	02
	Introduction to Datascience Filege Working with Text-Daka.	Introduction to Datascience  Filege Working with Text Dala.  Blackboard & chalk  Computer (Gearching of Following Stitleshares)

Contraction of the Contraction o	- I line a seth	Blackboard & challe  Flipped Gemon,  Convenients (Python IDLE)  3.10.6 Vernon)
Expre	(11) Regular Expression Operations	Blackboard & chalk  Blackboard & chalk  Discussion, Questionnaire  O6  Programeeeustion 2nd  Programeeeustion 2nd  Python I DLE 3:10.6.
ata ==== 1200King	(1) Working with Databasele	Sleptest.  Blackboard & chalk 706  Quiz Gession
With Dalabase & Controlle Date Tabular Mumeric D	(1) Workson with. Tabular Numeric Data	Python IDLE & Database Connectivity  Discussion.
Wortspy with		Oraltest.

nit-4 Title	Colores and frames	Blackboard & chalk	100
Banes		Computer ( Python Granonman	4
The Park		Practical (Pythonia sin)	
9		Slipter	
Plotting	( ii) Platting	Blackboard & chalk	06
* D		Slike chave (computer)	
		PPT's Cooline through	)
Westerna			
Unit-5 Title	Data Epgineering with Fythor practical		7
	6 Miniproject		120
	Peaclacal		15
		Total Hours	80
		PRINCIPAL TSWRDCIW) MANCHERUL	



Name of the College TOWRDCLD, Marcherial

Data Science Com III
Computer Science
Machine Learning
IV.
Able to understand:  Basic of Machine Learning and the limitations  Machine Learning algorithms: Expervised,  unsupervised, bio-inepined.  Unsupervised, bio-inepined.  Rele mining.
B. Tyothi

Unit	Topics	Teaching Pedagogy, Teaching Aids, Curricular, Extra-curricular Activities etc.,	No. of Hours
Debourg, Har	Introduction to Machine Learning	Blackboard & chalk	02
	Limite of Learning	Projector.	02_
moduce Lestrale	Greenetry 10 Nearest Neighbours.	Discussion	03
Mach		Sliptest	

Unit-2 Title	The Perceptron:	at the challen	03	3	Y
7	Blognepised learning	Blackboard & chalk.			
Des des	Greamatric interpretation	Gerninas	02		100
Limes	Improved generalization	Projectos.	02		00
Keal .	Practical issues: Importance of good features	flipped class.	03	2-	1
Pel	Alypothesis lesting and statistical significance.	T.V.	0	2	1
Peruephan.	Debugging Learning algorithms.	quir-	1	2	
Perus Lin	and Linear models:	Bléplest		02	-
H,	Deight regularization. Cupport vector machines	DI@cumorv .		0	2
Unit-3 Title	Probabilistic modelling			C	2
	Classification by Density estimation	Black board & chal	k,		2
sing &	Statistical extration.				6
Probabilistic modelling	Prediction .	Questionnable.			1
	Bioimpired multilage				02
	Back propagation	Sliptest			C.
Poo	Depth Bain Junctions	Le			5

Learning.		02
Introduction to Clustering.	audio, video viale	ot
measures,		02
	Projector.	OT
3.		02
Merrinum spanning tree	Grand text.	02_
Association rules.		
Theory + Pas	A Total Hour	s: 80
	PAJOSPAL	A
	Entroduction No Clustering.  Similarity and distance measures.  Ogglome satisfice algorithms  Divisine clustering.  Merstrough sparming tree.	Learning.  Introduction to clustering.  Similarity and distants measures.  Ogglome satirie algosithms  Divisine clustering.  Merimum spaming Grandtest.  Association rules.



### Name of the College: TSWRDCW, Mancherial

#### SEMESTER V- PLAN

Name of the Course	Bac (MSCS-III) , Sem - V
Subject	Computer Science
Paper Name	Programming in Java
Paper Code	BC507
Learning Outcomes	Students should be able to  1 Juse on integrated development environment to write compile, run and test simple object oriented java programs  2 JRead and make elementary modifications to java programs that solve real – world problems
Faculty Name	Zikran Syed

it	Topics	Teaching Pedagogy, Teaching Aids, Curricular, Extra-curricular Activities etc	
it-1	Introduction - JVM , Java Teatures	Lecture, Discussion, Given Assignment	
e	Creation and execution of programs data types	Lecture, projector, quiz	
	Type conversion, type costing	Discussion, Blackboard, Given assignment	
	Conditional statements, Branching mechanism	Lecturer, projector , slip test	
	Looping statements	Group discussion, blackboard	
	Classes, objects, methods declaration	PPT, discussion, short seminar	
	Methods overloading - lab practical	Plipped class, projector for execution of programs	

	Applers	Discussion , projector, given assignment on programs(fab)	
4	Events & its types	Questionnaire, blackboard, assignment on programs(lab)	02+02(p)
	Event handling	Flipped/seminar, projector, sample programs on events	02+02(p
	AWT components	Group discussion , blackboard, assignment on	os
	Swings	Peer review, projector, assignment on difference b/w AWT & swing	05
		total Hours =	83
		GK100)	
		PRINCIPAL	



Name of the College Mancherial

Names of the Course	B.Sc(MPCS)-2 <sup>nd</sup> year IV sem	
2 50	DATABASE MANAGEMENT SYSTEMS	
Subject	DBMS	
Paper Name	Paper DSC 407	
Paper Code		
Learning Outcomes	Students will be able to:  ✓ Know the importance of databases.  ✓ Write query using structured query language.  ✓ Differentiate different database languages.  ✓ Understand different data models.  ✓ Understand E-R diagram and design databases.	
Faculty Name	Md.Reshma	

Unit	Topic s	Teaching Pedagogy, Teaching Aids, Curricular, Extra-curricular Activities etc.,	No. of Hours
Unit -1 Title	Database Management System - File based system - Advantages of DBMS over file based system	<ul> <li>✓ Black board and chalk</li> <li>✓ PPT</li> <li>✓ ICT(Information Communication Technology)</li> <li>tools i.e., Laptops, Desktops, data projectors</li> </ul>	3
	Logical DBMS Architecture - Three level architecture of DBMS or logical DBMS architecture - Physical DBMS Architecture	Identification test for physical, logical, external views, Seminars.	3
	Database Administrator (DBA) Functions & Role - Data files indices and Data Dictionary	Demonstration method Database backup and recovery	2.
	Relational and ER Models: Data Models – Relational keys, Relational constraints	Identification test for ER model, constraints	3
	Entity Relationship (ER) Model	Identification test for ER model, constraints Brain storming	2.
	- Defining Relationship for College Database - ER Diagram - Conversion of E- R Diagram to Relational Database	Preparation of PPT for defining relationship for college database ,ICT tools	

Unit-2 Title	Entity Relationship (ER) Model	Identification test for ER model, constraints Brain storming	2
	- Defining Relationship for College Database - ER Diagram - Conversion of E- R Diagram to Relational Database	Preparation of PPT for defining relationship for college database ,ICT tools	3
	DATABASE INTEGRITY AND NORMALISATION: Relational Database Integrity – The Keys - Referential Integrity - Entity Integrity -	PPT, ICT tools, Identification test for different keys.	3
	Redundancy and Associated Problem Normalization - The First Normal Form - The Second Normal Form	Seminars on redundancy and INF,2NF	3
	The Third Normal Form - Boyce Codd Normal Form - Attribute Preservation - Lossless join Decomposition	Brain storming, Demonstration on 3NF.	2
Unit-3 Title	STRUCTURES QUERY LANGUAGE (SQL):Meaning-SQL commands -Data Definition Language	Lecture method and PPT for SQL queries.	3
	- Data Manipulation Language, DCL and TCL commands	Lecture method and PPT for SQL queries.	4
	Queries using Order by – Where - Group by Nested Queries	Lecture method and PPT for SQL queries using group by, order by, nested queries.	3
	Joins – Views	Seminars on joins and views	2
	- Sequences - Indexes and Synonyms - Table Handling, Advanced SQL	Seminar on indexes and sequences, Advanced SQL	3

Unit-4 Title	Transactions - Concurrent Transactions -	Making students to do transactions in online, providing security for their transactions	2
	- Locking Protocol - Serialisable Schedules, Locks Two Phase Locking (2PL)	Demonstration method for serializable schedules and 2PL	3
	Deadlock and its Prevention – Optimistic Concurrency Control	Quiz on Deadlock and its prevention.	2
	Database Recovery and Security: Database Recovery meaning - Kinds of failures - Failure controlling methods - Database errors	Session on distributed databases, client server architecture by lecture method and PPT	3
	Backup & Recovery Techniques	Seminar on backup and recovery	3
	Security & Integrity - Database Security - Authorization-Encryption,RAID	Group discussion on Database security and authorization.	3
			60
		Total Hours :	



Name of the College TSWRDG(W)-MANCHERIAL

Names of the Course	BSc Data Science, Semi
Subject	Programming Computer Science
Paper Name	Problem Solving & Python Programming
Paper Code	
	On completion of course, students will be able to develop algorithmic solutions to comp problems a develop & execute python programs.
Learning Outcomes	2 develop & execute python programs into functions. 3 structure a python program into functions. 4 sepresent compound data using python lists, toples &
19	5 Read & write data from to files in Python Program. To develop the skill of designing GUI is python.
Faculty Name	Mrs Burnera Lewath.

Unit	Topics	Teaching Pedagogy, Teaching Aids, Curricular, Extra-curricular Activities etc.,	No. of Hours
Unit -1 Title	Intro fundamentals of Computing Computing devices, algorithms	Lechre, flipped class.	04
Computante	Variables, identifiers, python interpreter, operators.	Lectore, flipped class	03
Ben to Solving Ion sto	Dynamic & strongly typed language Type conversion	Lechre	02
Control F	Control flow statements	Lectore, Ontine execution of	(14)

Unit-2 Title	Built-in-functions, Function basics.	Lichre (Hack board) - Hipped class on scope & lifetime of variety	
Puntion	Timpes of parameters,	White board	oke /
	Command line arguments	Lecture, usage on system	01
1	Strings Creation & storage, string operations	Lectore, ppt	02
	accersing the string.	flipped class by stodents	01
	String slicing joining,	ppt, bachore, ordine editor	oa.
	Lats program	hab programs	06
Unit-3			(15)
Title	List introduction, operations	Lectore, wange in online editor	02
Hes &	list slicing, methods, loops	Luctore, flipped class, usage is orline editor	05
exception	mutability, aliasing, cloning lists, toples introduction	Lichore	02
	Tuples, dictionaries	Lechre	03
100	Advanced L'ut processing.	Lecture, flipped'class	02.
	Sorting techniques	flipped clours on sorting execution lecture	04
30	Files sexception		06

o hile	Creating classes to rymon)	Cechore, flipped class on	01
Joseph .	Constructor, attributes,	flipped class	03.
Oriented	Polymorphism	Lechone	02
Programmy	Junctional programming.	Merators, generators	03
		Lab programs	03
			(12)
Unit-5 Title			
		Lab practicals	12
		Las practicals	12
		Total Hours	79.
		PRINCIPAL. TSWRDC(W), MARKET STATE	



#### Name of the College : TSWRDCW, Mancherial

#### SEMESTERUI- PLAN

Name of the Course	MIPCS- (1), Sem- SI
Subject	Lyleb Technologies
Paper Name	Computer didence
Paper Code	
Learning Outcomes	Students will be able to:  (i) Learn Hyer Tags. Css. Is discussione  (ii) Develop Dove school programs  (iii) How to design a veb page 4 also  forms.  (in Learn what is firmy xone, DTP ,  x set 4-Ajor's.
aculty Name	Zikin syed

Unit T Topics	Teaching Pedagogy, Teaching Aids, Carricular, Extra-curricular Activities etc.,	No. of Hours
Introdution to	- Pre Test - Discussion - Blackboard, Projecter(Tr) - Oricols	3.0
Cas (consending style streets)	- Group Discussion  - Blockhoord , PPT's  - Elip Test	12

Unit- 2	Introduction to	- Peer review - Group Discussion - Blackboard	
	Functions	-Audio/Video Visualls - Slip Test - Collaboration - IIT - Blackboard - Chort Questions	08
Unit-3 Title	Orrays	- Group Discussion - JITI - Blockboard, McDIS	06

1		- Peer review - Questionneise	
1	Events	- Blackboard, short Questions	08
7	0.4	- Pipped class	
	Java script objects	- Discussion	08
	Objects	- PPTIS, Oral Outo	
Unit 4		- collaboration	
	X ML AXSLT	- Discussion	10
Title		- Audio/Video Visuals, Mcd's	100
		* Per review	
V	Agox	- DIT	12
		Shang showing Video, sliptes	
		9	
1			
13		Total Hours	86
L			
		1	
	Prepared By:	Leury	
	alcon .	PERMEYPAL	
	Prepared By:	TSWRDC(W), MANCHESTAL	
	Lectures in computer &	2 Facility	
	Lectures in computer of	301-616-	



Name of the College TSWRDCCWD, Marcherial

BCOMCAI, GEMI
Fundamentals of Information Technology
randamental of the
FIT
DSC-103
Student's learn basic knowledge of Computers  Dequire knowledge about different generations history, characteristics, applications etc.  Set an awareness on different I/o devices their mage of Grain lie knowledge of different components of computer leke I/o, cpu, wernery and it caregories  Learn SIW & H/W; operating Gystem with function  Practice Number Gystem and the Conversion  Practice Number Gystem and the Conversion  To Grain site knowledge of all fundamentation IT
B. JYOTHI.

Unit	Topics	Teaching Pedagogy, Teaching Aids, Curricular, Extra-curricular Activities etc.	No. of Hours
From So	Introduction to Computer:	Blackboard & chalk	08
	-> Greneral yours, otplications -> capabilities & Ciritalions	Discussion, Blackboard	04
	Compater Gystem:	- Stide share Contine PPTS)	02
	of purities and sites legales	Projector Audio video vi	03

		-
Unit-2 Title	Number Gyetam: Black board & chalk. Positional & Non-positional - Wedib-video vicuals	0/2
	Number Eyeteme : Binary : workeheet of Mcgres	03
ale:	converting from one number Quiz  eystem to another number  System	04
o o	memory storage: explanation	7
hmelie	Primary VIs Gecondary - Projector.	502
Lege F	Data Storage D retrieval methods.	02
	Offerent primary Audio-video viewale. Storage derices	04
Com	Ottlevent Geconday ) Gtorage dericals	
Unit-3 Title	Introduction to - Blackboardechalk Goptware	01
	Types of elw: Gystem Lecture Boftware.	)
3.	Operating Cystem, Online PPT's	02
Coltware	Opplication Cottware	)
	Spreadshoets, Graphics MS-Excel 2016 (Projector)	105
	DBMB 4wMS-Powerpoint 2016  -MS-Access	
	Mestole and stercomonde.	1

At-4	Introduction to Operating Gystem	Projector, questionnaire	01
	Measuring Cystem Performance	-Peer seview, Lecture	DI
	Concept of Translaters: Compiler Assembler Interpol	Black board	0
Em	Dattesent Lypes of Os =		
Gyeter	→ Batch processing → Multiprogramming	- Explanation, Discussion	09
Ceng	→ Multi tasking	- sléplest, Questionnaire	
Operations	-> Teme shaving		
Ō	NIE-DOG, Windows Unix, Linux.	- Projector, practicalisession - Window 10 OG, command prompt	504
		Assessment Test.	
Unit-5 Title	Dala communication and His process.	elideshaue (online ppris)	02
On	devices, commencation	_Black board exchalk.	02_
Dala	Speed & medias.	Diagramatic representation	02_
	or Modern, He working of	-quiz/buzzisemion.	02_
	> Types of Networks > Network types () N/w topologieg	- Assessment on Topologius	104
	> computer protocoks	- Explanation.	01
	Theory-65+Pract	Cical-25 ⇒ Total Hours:	90
		0	



Name of the College TSWRDCCWD Marcherial

Names of the Course	BCOMCAI, GENTI.
Subject	Programming with C. C++ (compeller screene)
Paper Name	Porposammeng with CEC++.
Paper Code	DSc 203
Learning Outcomes	The Objectine of the this Embject is  to the learn the students about the  tollowing correspt of CEC++  o> C-Tokens, costsolst suctures,  o> Functions, Assays, structures  o> Pointers, Structures & uniens  o> Object-Oriented Programming concepts  using C++  using C++  using C++  o> How to write and oscille all the above topic  o> How to write and oscille all the above topic
Faculty Name	B. JYOTHI.

Unit	Topics	Teaching Pedagogy, Teaching Aids, Curricular, Extra-curricular Activities etc.	No. of Hours
duction High	Instruduction to clanguage	Lectuse method, Black board echalk	01
	C_TOKENE: Variables, Keywards, Constants,	Projector	10
Loduc angu	Dalatypes @ operators	Black housed & challe	os
Trats 1-0-1	Revision.	worksheet of Mage	01

Fitte	(1) Conditional & Jumping statements)	Projectour	
meral	→ It statement.	Deve+edstor/	02
State	> I felie if, neitel if	Turboc++ Editor.	02
100.1	=> go lo e cortetr.	Blackboard & chalk.	01
100 E			
100	(18) Looping & In statements	Projector.	7
mend	as while	Deve+/ Turboc++	10
3	ando-while, for. Nexted loop	Blackboard & chalk.	
	Revision & sliptest	Sleptest of Programs	0
Init-3 Title	(i) Function(: )	Black boarde chalk	0
	-> Function Prototype,		
8	Systemdelfined () Uses defined	Program execution in TurboC++ Editor Itms	0
Strans	in Arrays  Types of Arrays.	Projector.	0
9	(ii) Strings		0
3	Revision & sleptest	Oral test, Test on Programs writing	

Anit-	I de D		
Title	Courtexe:	relack bound a chalk.	
Company	a> Doc laration of Painters	Brojecton (Tubocet)	63
Wiende	with pointing		
9			
Structures Uniong.	feature declaring.	Online PPT's	
15 St.	and and an	Stidochare	09
S)ra	(in) Union ( :	Flepped class.	02
Porsterie	Structures orions		02
Unit-5	Renssion & slip Kest	Discussion, sliptert.	02
Title	(1) Objectoriented Bogsamming	Blackboard & chalk	01
μιτος δο	o> Introduction 16 cop.	Program execution in DevC++/TurboC++ editor	02
4	Storage classes Similarities & different	Discussion	02
	→ Dalamember, member- punctions.		01
	11) OOPs Concepté : claur, object, Inheutance, Polymorphino Exapoulation, Atstraction	online PPT & through	05
2	Revieione sliplest		01
	Theox	y-65+Practical-25 Total Hours	90

Plantal 2



Name of the College : TSWRDCW, Mancherial

Name of the Course	B. COM-CA-II, GEN III
Subject	Relational Computer Science
Paper Name	Relational Database Management Cysters
Paper Code	DSC-303
	Students learn a concept of data organization re, Dalabase approach, DBMS @
Learning Outcomes	Enderigning a database.  En designing a database.  Concept of Normalization to remove anomalist Creation of a Database using SQL.  -Concept of DDBMS & Client-General architecture.
Faculty Name	B. Tyothi

Unit	Topics	Teaching Pedagogy, Teaching Aids, Curricular, Extra-curricular Activities etc.,	No. of Hours
	-> Database approach	Lecture method, Blackboars	01
0	>> File concept v/s DBMs	e chalk	01
Jueffon 16	> Three-level architective > Dalamodels.	Flepped session	01
	> DBA, function & Role	Discussion	02
D B	model and the component	Peer group	01
3	-> Relational constraints.		701
	Keye, Conversion EROJE Relational mode	o Sleptest	102

eens	Tritegesty & Kays	Lacture method, Blackboard & chalk.	02
The one	~ Concept of Normalization	Qutz.	OZ.
Integral	Types of File organization		
abase	Tree structure	Discussion	100
200	Multileey bile	Questionnaire	
Page 1	> Multilat file organizat		a
Unit-TIT			
-	SOL and SOL-Commund	Computer Coracle on [	04
gum,	DDL, DML, DCL& DCTCL.  -> Table hardling.  -> Queries using orderby	Mycalglus).	
ban bage	Group by where clausele> SQL Irdexes Cynonyms	Blackboard & chalk [	02
reach	er concept of Mexted -	Miniproject (small databus)	202
L S	-> Johns, views, Ecquonies.	viva ( avaltest)	
	→ SQL-Operators,		,
	bunction@, Aggregate	worksheet of Mcq's.	Q2
	bunctions.		01
Unit- Title	Transaction and	Blackboard Cal II	
TY	Transaction Management	Blackboard & chalk	a2_

traus	>Locking Mechanisms >Locking protocol >> 2PL	Blackboard & challe.	02
anage	Serializability Concurrency and His	Lecture method.	02
world	-> Concept of Dalabrus Security		01
LEUN	-> Concept of Dalabara Recovery	2 2 2 2 2	02
F.S	Database essoss. Brickupe recovery technique	Discussion.	01
THE R. LEWIS CO., LANSING, MICH.	-> Concept of DDB 1018, features Architecture, advantage (8		02
dokabu	and discontrages. Concept of Data distribution		02
100	Data Replication, Datafragmin -> Client Gures Databases.	olating, Quiz.	03
Distast client	Advanced topics & Pavalle DB, Mobbb Mobbb Nosqu, Dakawarehowe	Greandtest	04
	Paracli cal - 20	Total Hours:	75



Name of the College TSWRDCCWD, Manchial

BCOMCAII, SEMIV
computer & cience
WebTechnologies.
DSC-403
Studente Learn the bance of how to create a webpage and it's designing through Hypertest Markenplanguage, DHTML, COG, PHP, XML & ISP (Scripting languages).  They gain knowledge of how a website is designed and all links are seleblished.  Can design a Small website which consists no of webpages and it's content.
B. Jyothi.

Unit	Topics	Teaching Pedagogy, Teaching Aids, Curricular, Extra-curricular Activities etc.,	No. of Hours
Unit -1 Title	1. Dot of creating a	- Blackboard & chalk - Projector (Notepad &)	04
	2. Basic lags of HTML	- Discussion	04
AH.H.	3. Form & Formulation elements	- Graphical representation	04
A	4. Tage la desigra Sebprage.	- Discussion & Explanation - Miniproject on webpage	03.
		developmen	of

Unit	e margarat was paye	1-Blackboard & chalk	03
	2 Caradina style sheet	- Projector (Note pad &) Gopgle chrome	02
2 de 6	3. Evente handling	- Youtube videole CHTML Tutomale)	03
Sebpages &	4. Dynamic changing elements	-slip lest	02
mic w	5. Text Graphics and placements	- Flipped & Buzzisevilon - PPT's Conline Stideshove)	03
anha l	6. Creating Mullemodéa effects.	- Peer team - Webpage development	02
Messoo	00		
thr Owe			
Unit-3 Title	1. Java Ceript	7- Explanation Osaltest - Projector/ screenshare	03
Little Little	Sewer-side fava (script -> Java script tokens	- Notepade Gronglechnome - Youtube video@.	02
I even	>> Furction, objects, Amayor Dome event handling	7	04
nk an	2. Eventle and Event translers	- Blackboard echalk	83
& Cre	-> Types of Everstes	- Discussion, Flipped.	02-
Scaipt		- Worksheet (MCQ's)	01
Jova			
Java Sesipt & Grents and	Crent translers -> Types of Eversts	- Discussion, Flipped.	02-

		- Profestor Crintsport 2	GZ-
Inited Title	PHE	ACCOUNT DAYS TO THE PARTY OF TH	05
7	PHP FORON'S PHP control structures PHP control structures PHP control structures PHP control structures		02
GH GH	Description Connechiiq -to database	Explanation	ot
Ch.	C Pring Service	- Flipped Clip Lan	02
CENTOS	- Handling results	- wood development activities	02-
Pupmounca (	2: File handling in	- Deal Kest	01
100	PHP Fale handling	_Discussion	63
Hypertract H	operations 6	- Poor group & Buz Session	
	- Karible Markup	- Blackboard & chalt	
Title	Language	- PPTIS (Slideshare.)	52
	XML Style sheets	- workshoot (FHI in the	£ 03
al qu	Com) Quay language.	blanks/MCE(S)	
Markup	2: Java Comer Page (ISP)	- (Seminar / short Germina)	
-	processing, declarations ele	- Quiz/Interactive	
501	- Dawa (Poons in JSP Page		
10	Theory + Prac	Aread Cro2 months	
		d	
		markings.	
		LEMBOCIAN AND AND ADDRESS OF	

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# Name of the College : TSWRDCW, Mancherial

#### SEMESTER - PLAN

Name of the Course	Bearices- Fy
Subject (Paper Name)	E-conference, Sem- 2
Paper Name (Subject)	Computer Science
Paper Code	D&F 5036
Learning Outcomes	- Identify the components parts of  E-commerce  - Identify benefits of Setting online  - Understand the obsessaround cybes  Security when trading and doing  business online
Faculty Name	Zikran Sycal

Unit	Topics	Teaching Pedagogy, Teaching Aids, Curricular, Extra-curricular Activities etc.,	No. of Hours
I	Introduction to E-commerce	boord & projector.	06
	Clossification of E-commerce	Video's conline?	06
		PRINC	

TSWRDCW, MAIN

Unita	Applications	DISCUSSION, PPTS,	08
	Electomic Fund Transfel	Group Discussion, Black	08
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toit o	N N		
Init- Z	framework of	- Peer review - Discussion	
	E-commerci	- Blackboard, Projector	ođ
		- MICO'S, Semmor	
	Data Encryption	- Proped class	04
		- DIT	
	Digital Signature	- Questionnente	02
Unit- Title		- Sup Tell	
	NEW TOO STORES	The second second	

Unit 4	Medronic Data Interchange	Collaboration, PPT, Short questions Group Discussion, Black	04
	EDI A E-commerce	-board, mco's	06
Unit 5	- I'- Meuketing Techniques	Per review, pps Mco's shared	06
	5 pls	Discussion, Blackboard elip Test	06
		T-64 P-16.	
		80 Total Hou	175: 80
		TSWRDEN LIN	PAL
		TSWROOM	



#### Name of the College TSWRDCW, Manchertal

#### SEMISTER - PLAN

Name of the Course	B.COM CA III , Sem-VI	
Subject	Computer Science	
Paper Name	Cyber Security	
Paper Code		
Learning Outcomes	By this subject, students learn, acquire & understand following topics  Cyber security detections  Network Security, Cyber Threats  Cyber space and the Law  Cyber Forensics	
Faculty Name	Zikran Syed	

Unit	Topics	Teaching Pedagogy, Teaching Aids, Corrocular Extra-curricular Activities etc.	
Unit-1 Title Introduction to cyber security	Introduction to Gyber security	Black Board & chalk	
	Cybersecurity Vulnerabilities	Lecture	
	Cybersecurity Safeguards	Projector{slide share{online}}	
Unit-2 Title Securing web applications services and server	<ul> <li>Introduction to Cyber security</li> <li>Basic security for HTTP &amp; SOAP services</li> <li>Identify management and web services</li> </ul>	Lecture Questionnaire Black board & chalk	
	➤ Authorization Patterns ➤ Security consideration	Slide share (online) Slip test	
Unit-3 Title Intrusion detection and prevention	Introduction and Intrusion detection system	Flipped mode	
	Malware and Anti-malware software	Blackboard & chalk	

	Intrusion prevention system(IPS & types		03
	Security Information system(management)	Online PPTs(through projector)	04.
	Network session Analysis		02
Unit-4 Title Cryptography & n/w security Unit-5 Title Cyberspace and the law cyber forensics	System integrity validation  Introduction to cryptography Overview firewall types Security protocols-VPN, PGP, SSL, TLS	Audio video visuals in lab Oral test Slip test	02 06 03
	Introduction to cyberspace &	Blackboard &chalk, Audio video Visuals	06
	Cyber forensics	Online PPTs(projector/Computer)	06
		Total Hours:	90

PRINCIPAL TSWRDC(W), MANCHERIAL



# TELANGANA SOCIAL WELFARE RESIDENTIAL DEGREE COLLEGES Name of theCollege TSWRDC (W), Mancherial

Names of the Course	B. SC CMPCS-II) - SEM3
	Computers Science
Subject	
	Data Structures Using C++
Paper Name	
Paper Code	-Students learn the concept of Data and organisation of data.
Learning Outcomes	-Students learn the concept of Data and organisation of data  -learn the concepts of Algorithm and analysis of Algorithm  -Learn and compare the similarities and differences among different data  structures namely Arrays, Stack, Queue, Linked lists, Tree and graph  -They learn and differentiate Sorting and searching techniques  -Learn the concept of Hashing and Heap  -Students are able to create and execute different data structure programs
Faculty Name	B.Jyothi

	Topics	Teaching Pedagogy, Teaching Aids, Curricular, Extra-curricular Activities etc	No. of Hours
Unit -1 Title	1 Introduction to the Data Structures, types and implementation	PPT's, Projector.	03
	2.Introduction to Algorithms and Pseucode	Black Board, Discussion.	03
	3 Relationship among Data, Data Structure and Algorithms	sExplanation, Black Board	01
	4. Analysis of Algorithms	Explanation, Black Board.	02
	5. Concept of Stack (Stack editing, representation, applications and multiple stacks)	Projector, Explanation, Note making, Practical execution.	05
	6 Expression, Evaluation and Conversion (Infix, prefix and post fix)	Symbol representation, Black Board, Home assessment.	107

1.Concept of Recursion (Recurrence, variants, recursive functions vs iteration)	-Black Board, Explanation, Slip test.	02

	2. Concept of Queues (QueueADT, Realisation and applications )	Short seminar, Discussion.	04
	3. Types of Queues (circular, priority, multi- queue,dequeue)		05
	4.Concept of Linked Lists (linked list ADT, variants and representation		02
	5. Types of Linked Lists (single, double, and circular)	-Slide sharing, Quiz.	05
	6.Linked Stack, Queue and Sparse matrix	-Audio, video visuals, MCQ's	03
Unit-3 Title	1.Introduction to Trees Concept (basic terms and types of trees)	PPT's, peer discussion.	02
	2 Binary Tree (Binary tree ADT, Realisation, traversal and applications)	Dev C++, Slip test	03
	3.Binary Search Tree (BST, ADT and its operations)	Slide sharing (online), group discussion.	03
	4.Concept of Threaded (single, double and operations)	PPT's, worksheet.	0
	5.Concept of Searching Techniques (linear and binary)	-Dev C++, discussion.	03
	6.Concept of Sorting Techniques (selection, buble, insertion, merge and quick)	-Audio, video visuals, Flipped class.	06
	7. Search Trees Symbol Table	Graphical representation, Quiz.	03
	8.Concept of Optimal Binary Search Tree and AVL Tree	-Dev C++, Practical.	04
Unit-4 Title	Lintroduction to Graphs ( Terms and Representation)	-Slide sharing, Flipped class.	0:
	2.Graph Traversal (depth first search, breadth first search)	-Audio, video visuals, Slip test	0
	3.Spanning Tree (prims algorithm, Kruskal's algorithm)	PPT's, Oral test.	03
	4.Concept of Hashing (key terms, issues thash functions, hash table)	Projector, Short seminar.	03
	5.Collision Resolution Strategies	PPT's, Peer group.	04
	6.Concept of Heaps (Heap ADT, Implementation, Heap sort and	Audi, video visuals, Slip test	0: