LAB SCHEDULE PLAN

SWARNANDHRA
COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)

Accredited by National Board of Accreditation, AICTE, New Delhi, Accredited
NAAC with "A" Grade – 3.32 CGPA, Recognized under 2(f) & 12(B) of UGC Ad
Approved by AICTE, New Delhi, Permanent Affiliation to JNTUK, Kakinad
Seetharampuram, W.G.DT., Narsapur-534280, (Andhra Pradesh)

DEPARTMENT OF INFORMATION TECHNOLOGY
TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods /Week	Academic Year	Date commencment of Semes
20IT4L02	DATA BASE MANAGEMENT SYSTEMS LAB	3	CSE-CS	3 Periods	2023-2024	03-01-2

COURSE OUTCOMES

1	Define, manipulate and control data using Structured Query Language (SQL).
2	Enforce Database Integrity Constraints.
3	Implement SQL Queries using set operators, sub queries, nested queries, aggrega Functions, other SQL functions and views.
4	Develop applications using various features of PL/SQL like Functions, Procedur
5	Develop Database system to handle the real world problem.

Experiment Number	Experiment	Cont Hou
1	DDL and DML Commands.	3
2	Restricting and storing the Data using Key constraints. And displaying Data from Multiple Tables using SELECT command.	2
3	Queries (along with sub Queries and nested Queries) using ANY, ALL, IN, EXISTS, NOTEXISTS, UNION, INTERSECT.	2
4	Queries using Aggregate functions (COUNT, SUM, AVG, MAX and MIN), GROUP by, HAVING Clause	3
5	Creation and dropping of Views.	
6	Queries using Conversion functions (to char, to number and to date), string functions (Concatenation, lpad , rpad, ltrim, rtrim, lower, upper, initcap, length, substr and instr), date functions (Sysdate, next day, add months, last day, months between, least, greatest, trunc, round, to char, to date). (i) Creation of simple PL/SQL programs which includes declaration section, executable section and exception handling section. (ii) Insert data into tables and use COMMIT, ROLLBACK and SAVEPOINT in PL/SQL block.	
7	Develop a program that includes the features IF, NESTED IF, CASE	

1

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		and CASE expression.	
	8	Program development using simple loops, while loops, numeric for loops, nested loops	2
	9	ERROR Handling, BUILT–IN Exceptions, User defined Exceptions, RAISE- APPLICATION ERROR.	3
	10	Programs development using creation of procedures, passing parameters IN and OUT of PROCEDURES.	2
	11	Program development using creation of stored functions, invoke functions in SQL Statements and write complex functions	2
	12	Program development using creation of package specification, package bodies, private objects, package variables and calling stored packages.	2
	13	Develop programs using Cursors.	2
	14	Develop Programs using Triggers.	2
		CUMULATIVE PROPOSED PERIODS	**33**

		Name	Signature with Date
i.	Faculty	Mr. MNVL Narayana	
ii.	Module Coordinator	Dr. RVVSV Prasad	
iii.	Programme Coordinator	Dr. RVVSV Prasad	

Principal