NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

DEPARTMENT OF COMPUTER APPLICATIONS

COURSE PLAN – PART I			
Name of the program and specialization	MCA		
Course Title	DBMS LAB		
Course Code	CA702	No. of Credits	2
Course Code of Pre-requisite subject(s)	CA712		
Session	January 2023	Section (if, applicable)	A
Name of Faculty	Dr. Vishnu Priya R	Department	CA
Official Email	vishnupriya@nitt.edu	Telephone No.	9486072557
Name of Course Coordinator(s) (if, applicable)	Dr.Sindhia Lingaswamy		
Official E-mail	sindhia@nitt.edu	Telephone No.	99402 20299
Course Type (please tick appropriately)	✓ Core course		

Syllabus (approved in BoS)

Exercises / case studies that require table design, normalization and query building.

COURSE OBJECTIVES

- Apply DDL, DML Commands in SQL
- Use In-built functions for data manipulation
- Build Nested Queries and Joins
- Apply high level programming constraints.

MAPPING OF COs with POs

Course Outcomes	Programme Outcomes (PO) (Enter Numbers only)
1. Design Database for real time applications	1,2,3,5
2. Implement database functionalities	2,3,5
3. Apply database design techniques and queries for completion of Mini-project	1,2,3,5,10

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI

COURSE PLAN – PART II			
COURSE OVERVIEW			
Students will get an understanding of the various DDL, DML commands in SQL. Students will get an insight into some of the basic built-in functions commonly used for data manipulation in SQL. Students will implement complex queries using Nested Queries, Joins, Set Operators and Views. This course also facilitates the students to have an exposure to the high-level programming constructs such as control structures, procedures and functions. Students will also get exposure on designing forms and generate reports from a database.			
COURSE TEACHING AND LEARNING ACTIVITIES			
S.No.	**Week/Contact Hours**	**Topic**	**Mode of Delivery**
1	Week 1	Data Definition, Table Creation, Constraints	Demo
2	Week 2	Insert, Select Commands, Update & Delete Commands.	do
3	Week 3	Inbuilt functions in RDBMS	do
4	Week 4	Nested Queries & Join Queries	do
5	Week 5	Set operators & Views	do
6	Week 6	Control structures	do
7	Week 7	Procedures and Function	do
8	Week 8	Triggers	do
9	Week 9	Front End Tool Forms Menu Design	do

10	Week 10	Reports, Database Design and implementation	do

COURSE ASSESSMENT METHODS (shall range from 4 to 6)

S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1	Lab Activities	Weekly	Lab duration	20
2	Evaluation-1	6th week	2 hours	20
3	Model Assessment	10th week	2 hours	30
CPA*	Compensation Assessment*	As per schedule	2 hours	20
4	Final Assessment *	As per schedule	3 hours	30

*mandatory; refer to guidelines on page 4

COURSE EXIT SURVEY (mention the ways in which the feedback about the course shall be assessed)

- The students through the class representative may give their feedback at any time to the course chairman which will be duly addressed.
- The students may also give their feedback during class committee meeting.
- Course Outcome Survey' form will be distributed on the last working day to all the students and the feedback on various rubrics will be analyzed.
- The COs will be computed after arriving at the final marks.

COURSE POLICY (including compensation assessment to be specified)

MODE OF CORRESPONDENCE (email/ phone etc)

The course handling faculty will be available at Room No:308, Dept of Computer Applications (Lyceum Building, Second Floor) /Online Mode.

Phone: **9486072557**
Mail Id: **vishnupriya@nitt.edu**

COMPENSATION ASSESSMENT POLICY

One Compensation assessment will be conducted for students who were absent for cycle tests due to genuine reasons.

ATTENDANCE POLICY (A uniform attendance policy as specified below shall be followed)

- At least 75% attendance in each course is mandatory.

- A maximum of 10% shall be allowed under On Duty (OD) category.

- Students with less than 65% of attendance shall be prevented from writing the final assessment and shall be awarded 'V' grade.

ACADEMIC DISHONESTY & PLAGIARISM

- Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during an assessment will be treated as punishable dishonesty.

- Zero mark to be awarded for the offenders. For copying from another student, both students get the same penalty of zero mark.

- The departmental disciplinary committee including the course faculty member, PAC chairperson and the HoD, as members shall verify the facts of the malpractice and award the punishment if the student is found guilty. The report shall be submitted to the Academic office.

- The above policy against academic dishonesty shall be applicable for all the programmes.

ADDITIONAL INFORMATION, IF ANY

FOR APPROVAL

Course Faculty

(Dr. Vishnu Priya R)

CC- Chairperson

(Dr.Sindhia Lingaswamy)

HOD

(Dr. Michael Arock)