GETIN TECHNOLOGIES

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COURSE NAME: POSTGRESQL TRAINING

Visit our website for Course Fees and Course Duration

Placement Eligibility:
Eligible: Any Bachelor Degree, Any Master Degree, MBA
No Eligible: Diploma

Class Mode:
Classroom | Online | Recorded Session | AI Session

**If you have Completed Course, You want only Placements
+91 8925831829**

Training Partnership with   *Placement Partnership with*

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GST No: 33ABAFG2025J1ZV **Website:** www.getintech.in **Email:** enquiry@getintech.in

POSTGRESQL SYLLABUS

Module 1: Introduction to PostgreSQL

- **Introduction to RDBMS and PostgreSQL**

- **Installing PostgreSQL on Linux/Windows**

- **Getting started with PLSQL command-line tool**

Module 2: SQL Basics with PostgreSQL

- **Understanding data types and operators**

- **Creating, dropping and altering tables**

- **Using SELECT statements for data retrieval**

- **Sorting and filtering data using WHERE and ORDER BY clauses**

Module 3: Advanced SQL with PostgreSQL

- **Working with Joins and Subqueries**

- **Aggregating data using GROUP BY and HAVING clauses**

- **Understanding window functions and ranking functions**

- **Writing complex queries with Common Table Expressions (CTEs)**

Module 4: PostgreSQL Administration

- **PostgreSQL server architecture and configuration**

- **Managing PostgreSQL databases and tablespaces**

- **Backup and recovery strategies**

- **Performance tuning and optimization**

- **Implementing security and authentication measures**

Module 5: Advanced PostgreSQL Topics

- **PostGIS: Introduction to spatial data and GIS**

- **Replication and High Availability with Streaming Replication**

- **Partitioning and Sharding for scalability**

- **Implementing Stored Procedures and Triggers**

Module 6: Real-world Applications

- **Building applications with PostgreSQL and programming languages (Python, Java, etc.)**

- **Best practices for PostgreSQL development**

- **Case studies and real-world examples**