



## DEPARTMENT OF COMPUTER ENGINEERING (NBA Accredited)

|                               |                                                                                                    |
|-------------------------------|----------------------------------------------------------------------------------------------------|
| Event Name:                   | SQL Bootcamp                                                                                       |
| Program:                      | STTP (Student Development Training Program)                                                        |
| Event Date and Time:          | 27 <sup>th</sup> to 31 <sup>th</sup> January 2025                                                  |
| Event Venue:                  | Lab 307, 308, 314, 315 and 316                                                                     |
| Organized By:                 | Computer Students Association (CSA), Department of Computer Engineering, GDG ON Campus APSIT       |
| Speaker:                      | Gourav Midya, Ayush Panigrahi, Bharatkumar Gungoman ,Unnati Pohankar, Amit Rajegore, Krithik Patil |
| Department Event Coordinator: | Prof. Rushikesh Nikam                                                                              |
| Participants:                 | TE Computer Engineering Students                                                                   |
| Objective:                    | Implementing complex queries and database optimizations.                                           |
| PO Mapping                    | PO5,PO6,PO9,PO10,PO12                                                                              |

### Details:

The SQL Bootcamp, held from January 27th to 31st, 2025, was an intensive training program designed to equip students with a strong foundation in SQL and database management. The event took place from 9:00 AM to 11:00 AM each day, offering an in-depth understanding of SQL concepts and hands-on practice with real-world applications. The first day began with a smooth registration and networking session, where participants had the chance to interact with their peers and faculty members. The CSA team ensured a welcoming environment by providing event materials and setting up the venue for the session.

The official program commenced with a welcome address by the CSA Representative, introducing the objectives of the SQL Bootcamp. Following this, the first session of the bootcamp focused on the basics of SQL and database management. Students learned about tables, schemas, data types, and began writing basic SQL queries such as SELECT, INSERT, UPDATE, and DELETE. The CSA team facilitated a smooth learning experience by ensuring all technical aspects, including projector and microphone setups, were functioning properly.

On Day 2, the bootcamp advanced to more complex SQL concepts, such as Joins, Subqueries, and Aggregate Functions. Students gained a deeper understanding of relationships between tables and learned to implement more sophisticated queries. The day also included hands-on exercises to help students reinforce their learning. A quick recap of the previous day's lessons



was provided to ensure that all participants were on the same page before diving into advanced topics.

The final day of the bootcamp focused on SQL's real-world applications. Participants explored how SQL is used in data analytics, web applications, and backend development. They worked on industry-based case studies, solving real-world SQL problems under the guidance of mentors. The session concluded with a formal closing, including a vote of thanks from the CSA Representative and certificate distribution.

**PO5 was achieved through** hands-on implementation of SQL queries, joins, subqueries, aggregate functions, and database optimization techniques.

**PO6 was strengthened through** understanding the use of SQL in data analytics, web applications, backend development, and real-world database applications.

**PO9 was achieved through** collaborative participation in hands-on exercises and industry-based SQL case studies.

**PO10 was enhanced through** interactive discussions, technical sessions, and communication during practical problem-solving activities.

**PO12 was achieved through** learning advanced SQL concepts and exploring real-world database applications, encouraging continuous learning.



**Group photo of all teams and participants**



**Dr. Sachin Malave in the event**

**Prof. Rushikesh Nikam**

**CSA Coordinator**

**Dr. Sachin Malave**

**Head of Department**