

COMPREHENSIVE REPORT ON CERTIFICATION TRAINING

INTRODUCTION TO PYTHON, SQL AND TABLEAU

Course Overview:

The **B V Raju College** organized a certificate course for **students from Vishnu Dental College**, Vishnupur Bhimavaram focusing on providing fundamental knowledge in Python, SQL, and Tableau.

The course, held from the first week of November 2023 to the third week of December 2023, aimed to equip participants with essential skills applicable to their future studies in the MS program.

Instructors:

The course featured distinguished instructors, including Dr. I R Krishnam Raju, Dr. V Bhaskar Murthy, Mr.Naresh Bhimavarapu, and Mr. M N Ravindra Babu. These experts brought a wealth of knowledge and experience to the classroom, ensuring a high-quality learning experience for the participants.

Course Content:

Python:

The Python module covered the importance of programming and the role of Python in informatics.

Participants delved into the basics of Python programming, including variables, expressions, string operations, conditional execution, loops, functions, file handling, and data visualization.

This comprehensive coverage provided students with a strong foundation in programming, preparing them for more advanced concepts.

DBMS-SQL:

The Database Management System (DBMS) and SQL segment began with an introduction to databases, emphasizing entities, attributes, keys, and database design.



Participants learned about concurrency control and gained hands-on experience in SQL basics using Oracle. The syllabus covered Data Definition Language (DDL), Data Manipulation Language (DML), and Data Control Language (DCL), ensuring a thorough understanding of database concepts and SQL operations.

Tableau:

The Tableau module commenced with an environment setup, followed by an exploration of design flow, datatypes, and file types.



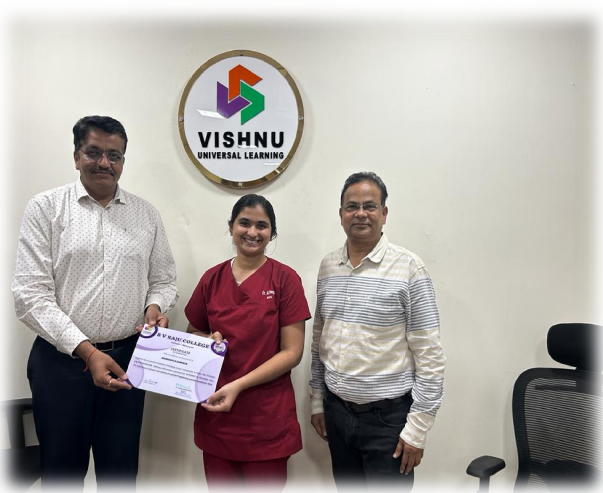
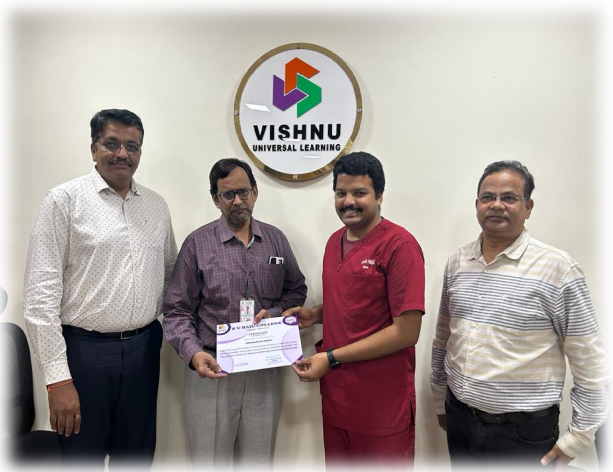
Participants gained practical insights into data sources, worksheets, calculations, sorts, filters, and the creation of charts and dashboards. This hands-on experience with Tableau empowered students to visually represent and analyze data efficiently.

Certificate and Recognition:

Upon successful completion of the course, certificates were awarded based on participants' performance in the Google Quiz assessment, providing a tangible acknowledgment of their proficiency in Python, SQL, and Tableau.



This recognition serves as a testament to their dedication and proficiency in the covered topics, enhancing their credentials for future academic pursuits.



The Introduction to Python, SQL, and Tableau course conducted by B V Raju College successfully provided Vishnu Dental College students with a robust foundation in programming, database management, and data visualization. The expertise of the instructors and the practical nature of the course content have equipped the participants with valuable skills that will undoubtedly contribute to their success in the upcoming MS program. The initiative taken by the college to bridge the gap between academic disciplines is commendable and reflects a commitment to holistic education.

