LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)
Accredited by NAAC with 'A' Grade,
ISO 21001:2018, 50001:2018, 14001:2015 Certified Institution
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada.
L.B.REDDY NAGAR, MYLAVARAM. NTR District, AP, India. 521230.
hodads@lbrce.ac.in , ads@lbrce.ac.in , Phone: 08659-222933, Fax: 08659-222931
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Event Report on Industry Readiness Program – Datathon 1.0

A Database workshop and Competition

Event Type	**:** Workshop
Date	**:** 01.12.2025 to 06.12.2025
Venue	**:** AI&DS Seminar Hall
Resource Person(s)	**:** Dr. P.Bhagath, Professor , Head of the Department AI&DS Mr. S.V.V.D.Jagadeesh. Sr. Assistant Professor, AI&DS
Name of the Convener	**:** Dr. P. Bhagath, Head of the Department AI & DS
Name of the Coordinator(s)	**:** Mr. K. Sudhakar, Sr. Assistant Professor, AI&DS Mr. S. Ramesh, Sr. Assistant Professor, AI&DS
Targeted Audience	**:** B.Tech VI Sem AI&DS Students
Total No. of Students	**:** 145

Objective of the Event:

The Department of Artificial Intelligence and Data Science (AI&DS) at LBRCE successfully organized Datathon 1.0 as part of its Industry Readiness Program. This initiative was designed to provide VI Sem students with practical exposure to database technologies, bridging the gap between classroom learning and industry requirements. The program combined structured workshops, hands-on laboratory sessions, and a competitive Datathon, ensuring that students not only understood theoretical concepts but also applied them in solving real-world problems. The event was conducted over five days, from December 1 to December 5, 2025, with sessions running from 9:00 AM to 4:00 PM daily.

Learning Objectives:

The primary objectives of Datathon 1.0 were:

• To strengthen foundational knowledge in Database Design and Querying.

• To introduce advanced concepts such as joins and views.

• To simulate industry level problem solving through a competitive Datathon.

• To foster teamwork, innovation, and analytical thinking among VI Sem students.

• To align academic curriculum with industry readiness and employability skills.

Program Structure:

The Datathon 1.0 was meticulously structured to balance conceptual learning, practical exposure, and competitive application. The six-day schedule was designed to progressively build student competence in database technologies, starting from fundamentals and culminating in advanced problem solving.

a) Lectures

Each day began with interactive lectures delivered by resource persons, blending theory with real world case studies. Topics included:

• Day 1: Introduction to SQL & DBMS Concepts, Physical Database Schema Design, Schema Diagram

• Day 2: Basic Queries: Data Creation, Updating, Altering Tables

• Day 3: Aggregation, String & Date-Time Functions, Clauses

• Day 4: Joins &Nested Queries

• Day 5: Advanced SQL Queries & PL/SQL

b) Hands-on Lab Sessions

Afternoons were dedicated to lab work, where students applied concepts in real-time. Exercises included:

• Designing and implementing relational schemas.

• Writing optimized queries for large databases.

Faculty mentors provided close guidance, ensuring students gained confidence in both syntax and logic.

c) Datathon Competition

The final day featured the Datathon challenge, where students worked in teams to solve industry inspired database problems. Evaluation criteria included:

• Accuracy – correctness of queries and outputs.

• Efficiency – optimization of query execution time and resource usage.

• Innovation – creative use of queries to automate solutions.

• Presentation – clarity in explaining design choices and results.

This structure ensured that students not only learned but also demonstrated their ability to apply knowledge under competitive conditions.

Learning Outcomes

The program achieved significant outcomes:

• Students gained hands-on exposure to database technologies beyond the syllabus.

• Enhanced confidence in applying SQL concepts to real-world problems.

• Improved teamwork and competitive spirit through the Datathon challenge.

• Strengthened alignment of curriculum with industry expectations.

• Encouraged students to think critically about database efficiency and scalability.

Valedictory & Prize Distribution

The valedictory session was a grand culmination of the week-long program, celebrating both achievement and learning. The event was presided over by Principal Dr. K. Appa Rao, accompanied by Dr. P. Bhagath, HoD of AI&DS, and faculty members.

Conclusion

Datathon 1.0 was a landmark initiative in preparing VI Sem AI&DS students for industry challenges. The program successfully combined academic rigor with practical application, instilling skills essential for careers in Data Science, Artificial Intelligence, and Database Management. The Department of AI&DS looks forward to organizing more such events, scaling the scope to include interdisciplinary projects, and continuing to nurture innovation, problem solving, and industry readiness among students.

Gallery:

Industry Readiness Program
Datathon 1.0
A Database workshop and Competition
09:00 AM - 04:00 PM
01-06 DECEMBER, 2025
For II and III B.Tech students of AI&DS
1st Prize
₹ 5000
2nd Prize
₹3000
Physical Database Design
Basic Queries
Nested Subqueries
Joins and Views
Resource Persons
Dr. P. Bhagath, Prof & HoD
Dr. O. Rama Devi , Professor
Mr. K. Venkatesh, Sr. Asst. Prof
Mr. SVVD Jagadeesh, Sr. Asst. Prof
Ms. V. Sowjanya, Sr. Asst. Prof
REGISTER NOW
Organizing Committee
Dr. D. Srinivasa Rao
Dr. B. Phani Krishna
Mr. K. Sudhakarr
Mr. J. Nagaraju
Ms. K. Vinaya Sree Bai
Ms. K. L. Padmavathi
Mr. S. Ramesh
+91 6301868237
https://lbrce.ac.in/ai/index.php
DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Convenor

Dr. P.Bhagath

HOD, AI&DS.