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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Date: 08.12.2025

Event Report on Industry Readiness Program – Datathon 1.0 A Database workshop and Competition

Event Type	: Workshop
Date	: 01.12.2025 to 05.12.2025
Venue	: Data Science Lab
Resource Person(s)	: Dr. O. Rama Devi, Professor Mr. K. Venkatesh, Sr, Assistant Professor Ms. V. Sowjanya, Sr, Assistant Professor
Name of the Convener	: Dr. P. Bhagath, Head of the Department AI & DS
Name of the Organizing Committee	: Ms. K Vinaya Sree Bai, Sr, Assistant Professor Ms. K.Lakshmi Padmavathi, Assistant Professor
Targeted Audience	: B.Tech IV Sem AI&DS Students
Total No. of Students	: 120

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 II Year 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 II Year 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 five-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 & Real-World Scenarios

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.

Resource Persons

The program was guided by experienced faculty members who provided both academic and practical insights:

- **Dr. O. Rama Devi** – Professor
- **Mr. K. Venkatesh** – Sr. Assistant Professor
- **Ms. V. Sowjanya** – Sr. Assistant Professor

Organizing Committee

The seamless execution of the program was made possible by the dedicated organizing committee:

- Ms. K. Vinaya Sree Bai
- Ms. K. L. Padmavathi

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.

a) Guest Addresses

- **Dr. P. Bhagath, HoD** highlighted the importance of database technologies in modern AI and Data Science applications, encouraging students to continue exploring advanced topics like distributed databases and big data systems.
- **Dr. K. Appa Rao, Principal** emphasized the role of such industry readiness programs in bridging academia and industry, motivating students to apply their skills in internships, projects, and future careers.

Their words inspired students to view Datathon not just as a competition, but as a stepping stone toward professional excellence.

b) Appreciation of Participants

Before announcing winners, the dignitaries applauded the collective efforts of all participants. Every student was recognized for their dedication, teamwork, and willingness to push beyond syllabus boundaries. Faculty mentors were also acknowledged for their guidance and support throughout the program.

c) Prize Distribution

The highlight of the ceremony was the prize distribution:

- **First Prize – ₹5000** awarded to **Sk Nouhid** for exceptional query optimization.
- **Second Prize – ₹3000** awarded to **Y. Venkata Prasad** for strong technical accuracy.
- **Consolation / Third Prize** awarded to **G. Baby Naga Swetha** for consistent effort, creativity, and commitment throughout the Datathon.

The winners received their prizes from Principal, **Dr. K. Appa Rao**, amidst applause from peers and faculty. The ceremony concluded with a collective commitment to continue fostering innovation and industry readiness in future programs.

Conclusion

Datathon 1.0 was a landmark initiative in preparing II Year 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:



Dean Academics, **Dr. M. Srinivas Rao garu**, addressed the gathering and formally inaugurated program



Student participants on inaugural session



Instructing students about Datathon1.0 rules



Participated students during the Datathon 1.0 conducted in the Workshop.



The Principal - Dr. K. Appa Rao addressing the students during valedictory.



First Prize – ₹5000 awarded to Mr Sk Nouhid



Second Prize – ₹3000 awarded to Y. Venkata Prasad



Consolation / Third Prize awarded to G. Baby Naga Swetha



Students providing the workshop feedback during the closing ceremony of the Workshop.



Feedback:

Feedback on Industry Readiness Program - DATATHON-1.0 during 1.12.2025 to 5.12.2025

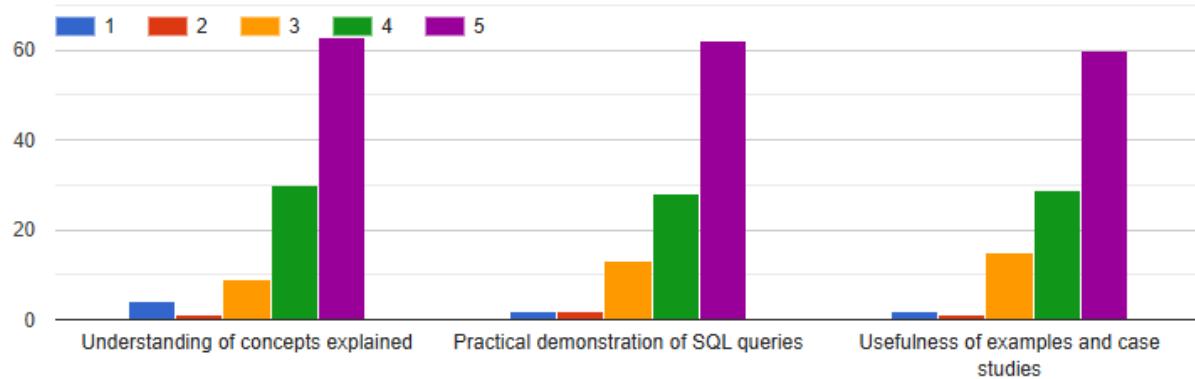
107 responses

A. Program Evaluation

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(Please rate the following on a scale of 1–5:

1 = Poor, 5 = Excellent)

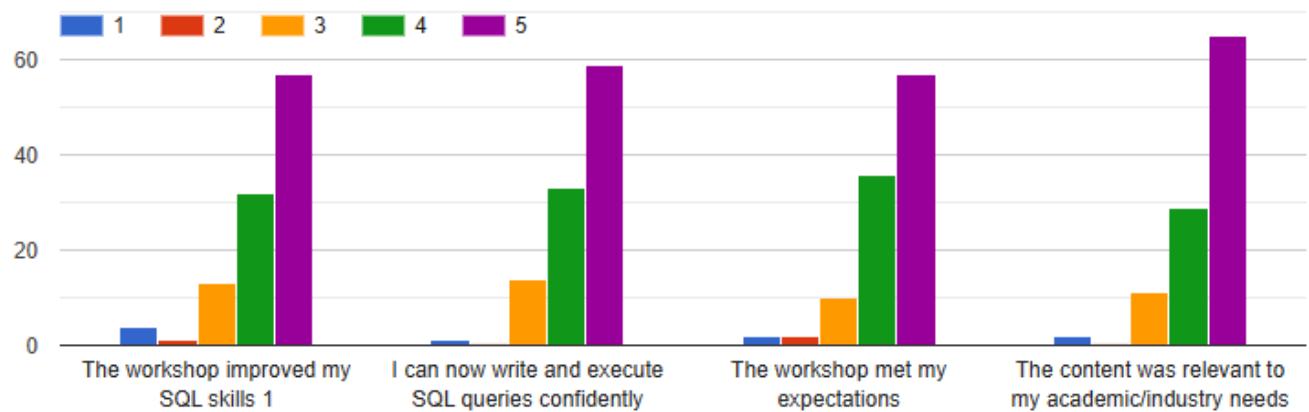


B. Learning Experience

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(Please rate the following on a scale of 1–5:

1 = Poor, 5 = Excellent)

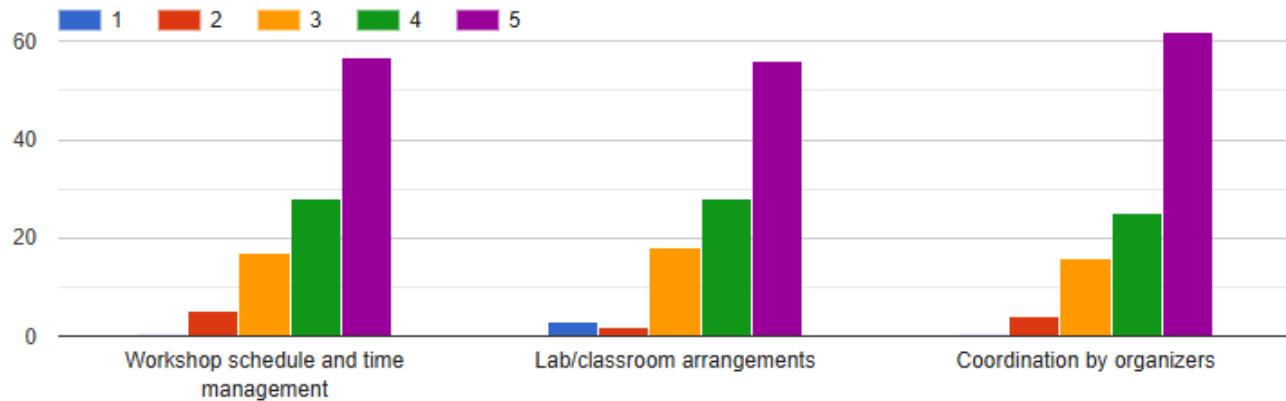


C. Organization & Coordination

(Please rate the following on a scale of 1–5:

1 = Poor, 5 = Excellent)

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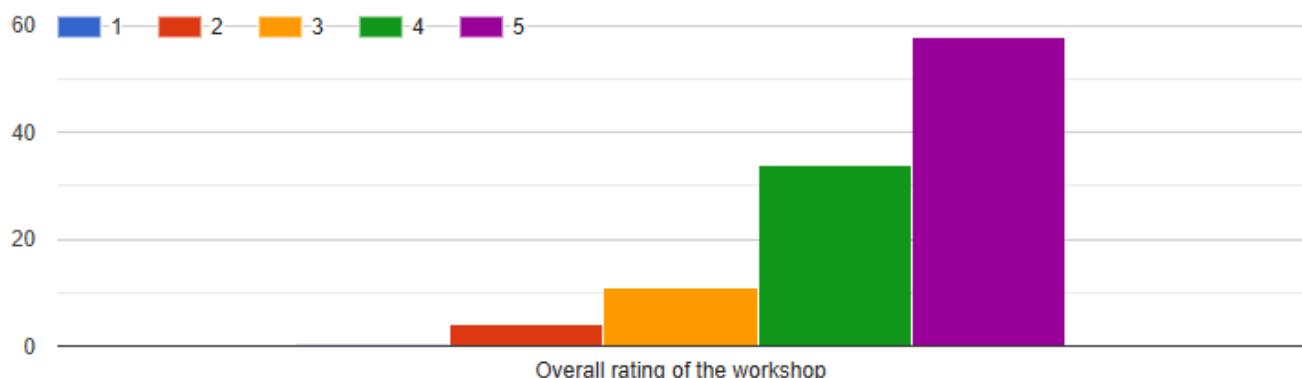


D. Overall Feedback

(Please rate the following on a scale of 1–5:

1 = Poor, 5 = Excellent)

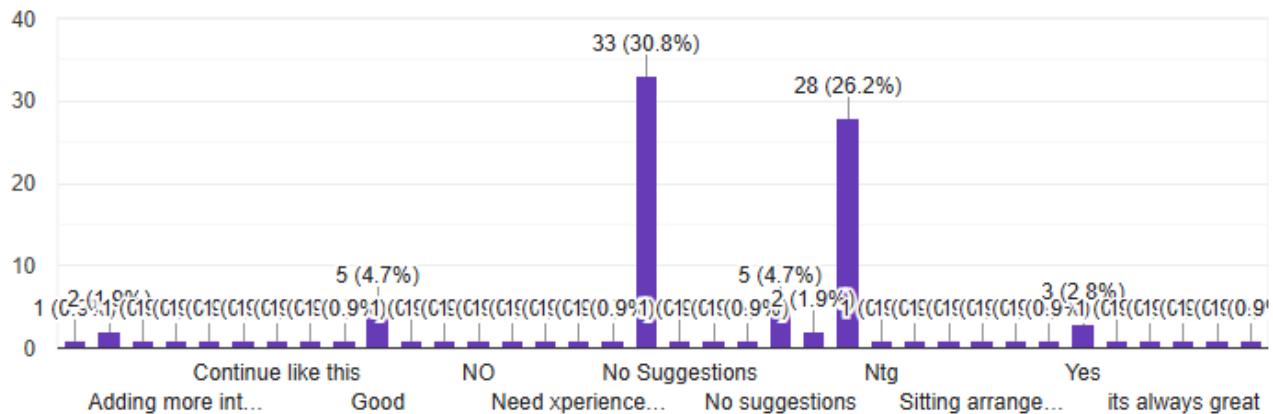
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Any Suggestions/ What improvements would you suggest for future workshops?

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107 responses



Some suggestions:

- Adding more interactive discussions and Q&A time would help improve future workshops.
- Continue like this
- All explanations were perfect and very helpful.
- We need some workshops which can improve our hands on experience
- It would be good to conduct more such Datathon workshops in the future, as they help students improve practical skills and gain real-world data analysis experience.

Coordinators:

Dr. O.Rama Devi, Professor
Mr. K. Venkatesh, Sr. Asst. Prof.,
Mrs. V. Sowjanya, Sr. Asst. Prof.,

Head of the Department

Dr. P. Bhagath