SQL&GUESSTIMATES WORKSHOP

Event Report | CIPHER – The Analytics Club

Date	16 October,2026	**Time**	12:45 PM
Venue	Room D-214	**Resource Person**	Mr. Mazher Khan
Organizer	CIPHER – The Analytics Club	**Institution**	Guru Gobind Singh Indraprastha University, New Delhi
Topic covered	SQL Basics: The Six Clauses	**Tagline**	Unlock New Skills and Accelerate Your Growth!
Number of attendees	57		

1. Executive Summary

CIPHER – The Analytics Club at Guru Gobind Singh Indraprastha University organised the SQL&Guesstimates Workshop as a skill-development initiative focused on practical analytical abilities. The event was scheduled for 16 October,26 at 12:45 PM in Room D-214, with Mr. Mazher Khan named as the speaker. Participants were asked to bring their own laptops, indicating a practical learning focus workshop experience.

SQL helps users retrieve, filter, combine, and summarize data stored in relational databases. Guesstimates develop structured reasoning by breaking broad questions into smaller parts, making reasonable assumptions, and calculating a plausible estimate. Together, these skills are useful in business analytics, marketing, finance, human resources, operations, and management decision-making. This report summarizes the event's purpose, subject areas, expected learning outcomes, and recommendations.

2. Introduction and Objectives

Modern organizations increasingly rely on data to understand performance, identify trends, improve processes, and make informed decisions. Students therefore benefit from learning both how to work with available data and how to reason when exact information is not readily available. The workshop's theme, "Unlock New Skills and Accelerate Your Growth!", reflected this emphasis on applied learning.

The key objectives of the workshop were to:

- Build awareness of SQL and its role in retrieving and analysing structured data.
- Introduce a systematic approach to estimation and open-ended business questions.
- Encourage practical learning, logical reasoning, and clear explanation of assumptions.
- Connect analytical skills with academic projects, internships, case studies, and business decisions.

3. Overview of the Core Topics

3.1 Structured Query Language (SQL)

SQL (Structured Query Language) is used to communicate with relational databases. It enables users to select required information, apply filters, sort records, summarize figures, and combine related tables. For example, a business analyst may use SQL to identify best-selling products, compare monthly sales, or review customer activity.

Common foundational concepts include: The six core clauses in SQL that form the structural foundation of a standard data retrieval query are SELECT, FROM, WHERE, GROUP BY, HAVING, and ORDER BY. Together, they dictate how data is pulled, filtered, aggregated, and organized from a database.

3.2 Guesstimates and Structured Problem-Solving

A guesstimate is a reasoned estimate made when an exact answer is unavailable. Instead of guessing randomly, the solver clarifies the question, divides it into smaller parts, states assumptions, performs simple calculations, and checks whether the result is reasonable. This approach is used in market sizing, business planning, consulting case interviews, and resource estimation.

A simple method is to: define the problem; break it into components; make and state assumptions; calculate each component; then check and explain the estimate. For instance, estimating daily tea sales on a campus could involve estimating the number of people present, the proportion likely to buy tea, and the average cups purchased.

4. Workshop Format and Learning Relevance

The poster specified a Bring Your Own Laptop (BYOL) requirement. This is consistent with a workshop that may involve demonstrations or practice using datasets, queries, or calculation exercises. The actual session agenda should be confirmed before describing any specific activities as completed.

SQL and guesstimates complement one another. SQL helps examine existing data, while guesstimation provides a structured way to reason when information is incomplete. Students can apply these skills to questions such as tracking sales performance, understanding customer behaviour, estimating demand, or planning resources. The combination supports analytical thinking, evidence-based decisions, and clearer communication.

5. Expected Learning Outcomes

The workshop was intended to help participants:

- Understand the purpose of SQL in working with structured business data.
- Recognize how queries can convert raw records into useful information.
- Break open-ended problems into manageable parts and make transparent assumptions.
- Explain the logic behind an estimate rather than provide an unsupported number.
- Identify ways to practise analytics skills for projects, internships, and future roles.

6.Organization, Outcomes and Recommendations

The event poster communicated the title, tagline, date, time, venue, resource person, laptop requirement, and registration QR code. These details gave prospective participants essential information for planning their attendance. Mr. Mazher Khan was identified as the resource person; a verified profile and summary of his actual presentation can be added to the final institutional record.

The intended outcome was to encourage practical engagement with data tools and structured reasoning. Actual impact should be recorded using verified evidence, such as attendance, completed exercises, feedback forms, or participant reflections. No numerical results should be included unless they are supported by records.

Recommendations for future editions: share any software or access instructions beforehand; provide practice datasets and questions; balance demonstrations with hands-on exercises; use examples from marketing, finance, HR, and operations; allow time for questions; and collect feedback to improve the pace and content of future sessions.

7. Conclusion

The SQL&Guesstimates Workshop was announced by CIPHER – The Analytics Club as a learning opportunity for students to develop practical analytical capabilities. SQL supports the exploration of structured data, while guesstimates encourage logical estimation when exact information is unavailable. These complementary skills are valuable for management students preparing for data-informed academic and professional work. Before submission, the organizing team should confirm the event year and add verified details about the actual agenda, attendance, activities, and participant feedback.

Workshop Poster



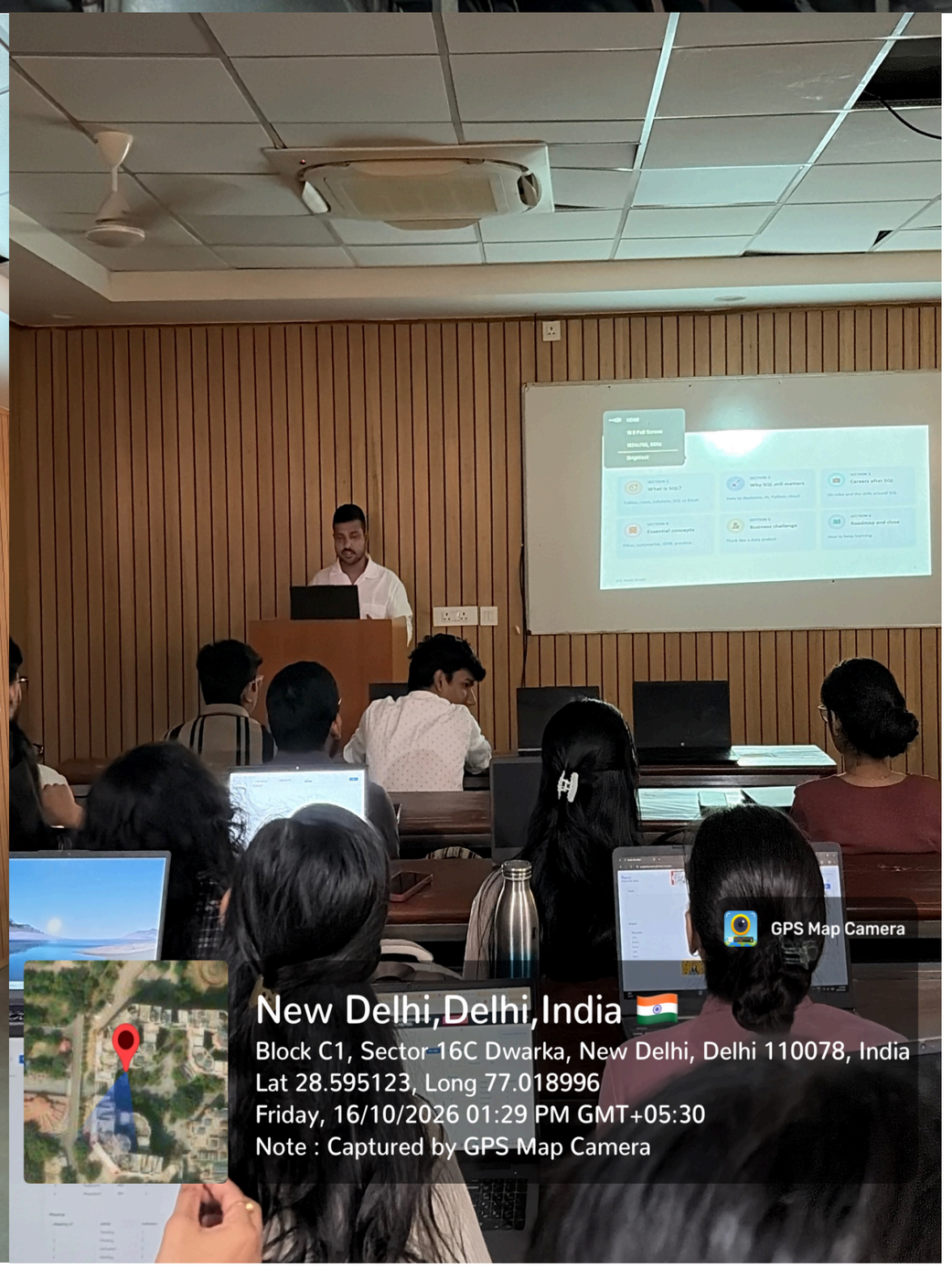
Total Attendees = 57

S.no.	NAME	MOBILE	COURSE	YEAR
1	Aanya Jain	9717854103	B.Comm	I Year
2	Aarzoo Rawat	9971192457	MBA (Analytics)	I Year
3	Adarsh	9871943083	BBA	I Year
4	Adhvick Kansal	7428772091	B.Comm	I Year
5	Aditya Pasricha	9990004079	B.Comm	I Year
6	Akshay Kumar	9650310135	MBA (Analytics)	I Year
7	Ansh Goyal	7838947401	MBA (Analytics)	I Year
8	Aoujas Gola	9289976624	BBA	I Year
9	Arham Jain	9810795514	BBA	I Year
10	Daivik Handoo	9717158379	MBA (General)	I Year
11	Deepak Tiwari	8130564210	MBA (Analytics)	I Year
12	Dev Singal	9650610747	BBA	III Year
13	Devesh Garg	9528364942	MBA (Analytics)	I Year
14	Divisha Grover	8130149495	B.Comm	I Year
15	Diya Aggarwal	9911454117	B.Comm	II Year
16	Ganga Gupta	9560196571	MBA (Analytics)	I Year
17	Jasjot Singh Chandel	9958071116	B.Comm	I Year
18	Jivesh Yadav	8826472791	MBA (Analytics)	I Year
19	Kashish Garg	9211738773	B.Comm	I Year
20	Kazi Faiq Ahmad	8920374801	MBA (Analytics)	I Year
21	Maanvik bansal	9910834451	BBA	I Year
22	Manish	7678556031	MBA (Analytics)	I Year
23	Manvi sharma	9871220278	MBA (General)	I Year
24	Manya Raheja	9910557540	B.Comm	I Year
25	Mayank	6398190390	MBA (Analytics)	I Year
26	Nakshatra Bhatia	8287876496	MBA (Analytics)	I Year
27	Nakul Pachauri	7771034723	MBA (Analytics)	I Year
28	Nivriti	9910004272	BBA	III Year

29	Prabhakar Kumar	9310577136	MBA (Analytics)	I Year
30	Rajat Yadav	9990471056	MBA (Analytics)	I Year
31	Rohit Bisht	9811203933	MBA (Analytics)	I Year
32	Ruchi Kumari	8810304701	MBA (Analytics)	I Year
33	Sam Philip Mezhuveli	7267028304	MBA (General)	I Year
34	Sambhav Jain	8700636396	BBA	I Year
35	Sarika	6283504627	MBA (Analytics)	I Year
36	Satyam Agarwal	9560867003	B.Comm	I Year
37	Shaurya Arora	9625361566	B.Comm	I Year
38	Shivam Mittal	9910205753	MBA (Analytics)	I Year
39	Shubhi Chahal	9560627915	BBA	I Year
40	Siddhant Gairola	7303217624	MBA (Analytics)	I Year
41	Sidhant Singh	9350546494	MBA (Analytics)	I Year
42	Sugandh Gupta	9650363698	MBA (Analytics)	I Year
43	Tanisha Pal	8920020227	MBA (Analytics)	I Year
44	Utkarsh Mehta	8527791645	MBA (Analytics)	I Year
45	Utsav Kumari	8700530270	MBA (Analytics)	I Year
46	Vaishnavi Ruhela	8439664949	MBA (Analytics)	I Year
47	Vanshika	9625563181	BBA	I Year
48	Vipul Rajput	9990931655	MBA (Analytics)	I Year
49	Yashika Gupta	7703899659	B.Comm	II Year
50	Yuvraj Buswala	8800410349	BBA	I Year
51	Madhav Sharma	7065094011	MBA (Analytics)	II Year
52	Anshula Srivastav	8595745634	BBA	III Year
53	Priyanshu Bali	9953590338	MBA (Analytics)	II Year
54	Kanan	8826933915	BBA	III Year
55	Peehu Gupta	8076551158	BBA	III Year
56	Manvik	9910834451	BBA	II Year
57	Parth Sarthi Sood	9625598227	BBA	III Year


GPS Map Camera
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Block C1, Sector 16C Dwarka, New Delhi, Delhi 110078, India
Lat 28.595204, Long 77.019072
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Note : Captured by GPS Map Camera


Step-by-step: how many Uber users?


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New Delhi,Delhi,India
Block C1, Sector 16C Dwarka, New Delhi, Delhi 110078, India
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Note : Captured by GPS Map Camera


GPS Map Camera
New Delhi,Delhi,India
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