Expert Lecture on "Information Retrieval"

Title of the Event: Information Retrieval- Unlocking the Power of Intelligent Search
Objective of the event: To Introduce Students to the fundamentals of Information Retrieval
Expert: **Mr. Sharad Laad** (Alumni SGSITS Batch 1994)
Date: 06th February 2026
Organized By: Department of Computer Engineering
Coordinator: Ms. Karishma Mandloi
Time: 11:00 AM to 1:00 PM
Venue: LT 002, SGSITS.
Number of Students participates in lecture: 102

Introduction:

An expert lecture on Information Retrieval (IR) was organized by the department to enhance student's understanding of how modern search systems works. The session focused on the fundamental concepts, models, and real-world applications of Information Retrieval systems. The lecture provided both theoretical insights and practical knowledge about search technologies.

The main objectives of organizing this expert lecture were:

- To introduce students to the fundamentals of Information Retrieval.
- To explain the working principles of modern search engines.
- To bridge the gap between academic learning and practical industry knowledge.
- To inspire students through alumni interaction.
- To strengthen conceptual understanding in computer engineering subjects.

During the lecture, the following major topics were discussed:

- Basic principles of Information Retrieval
- Boolean Retrieval Model
- Working of Search Engines
- Indexing and Ranking Mechanisms
- Modern Search Engine Architecture
- Importance of Data Organization
- Real-world Applications of IR Systems
- Evaluation techniques such as Precision, Recall, and F-Measure were explained.
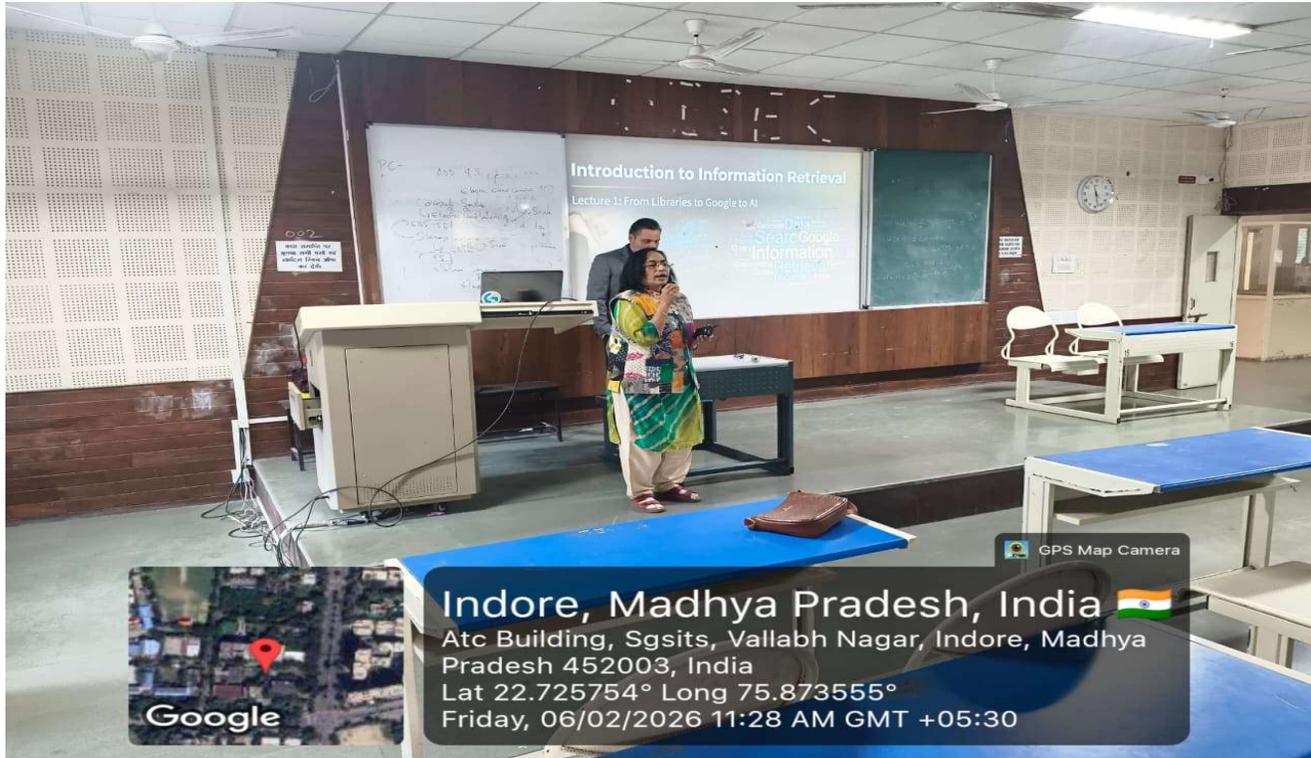
What Students Gained :

- Clear understanding of how search engines work.
- Knowledge of indexing and ranking techniques.
- Understanding of relevance and evaluation metrics.
- Awareness of real-world applications like e-commerce search and digital libraries.
- Insight into career opportunities in Data Science, AI, and Search Engine Development.
- Improving conceptual clarity
- Encouraging analytical thinking
- Strengthening academic foundations

Student Participation and Feedback:

- Students actively asked questions about Page Rank, AI in search engines, and required programming languages.
- They appreciated the practical examples and clear explanations.
- Students suggested conducting hands-on workshops and project-based sessions in the future.

Indore, Madhya Pradesh, India 🇮🇳
Atc Building, Sgsits, Vallabh Nagar, Indore, Madhya
Pradesh 452003, India
Lat 22.725763° Long 75.873512°
Friday, 06/02/2026 11:30 AM GMT +05:30

Indore, Madhya Pradesh, India 🇮🇳
Atc Building, Sgsits, Vallabh Nagar, Indore, Madhya
Pradesh 452003, India
Lat 22.725818° Long 75.873556°
Friday, 06/02/2026 11:33 AM GMT +05:30

Indore, Madhya Pradesh, India
Atc Building, Sgsits, Vallabh Nagar, Indore, Madhya
Pradesh 452003, India
Lat 22.725778° Long 75.873579°
Friday, 06/02/2026 11:34 AM GMT +05:30

Indore, Madhya Pradesh, India
Atc Building, Sgsits, Vallabh Nagar, Indore, Madhya
Pradesh 452003, India
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Friday, 06/02/2026 12:09 PM GMT +05:30

<u>NoteSheet</u>

Department of Computer Engineering

Date: 06-02-2026

An expert lecture for students has been scheduled on 06th February 2026 from 11:00 AM to 01:00 PM in the department LT 002 for B.Tech II &III year students. The topic of the lecture is "Information Retrieval". The lecture shall be conducted by Mr. Sharad Laad(Alumni SGSITS 1994), Principal Architect, Zooper, Pune. The lecture is highly useful for students to understand the importance of Information Retrieval, an important aspect in research projects.

Therefore, permission may be granted to organize the expert talk, and remuneration, including travel allowance (TA), may be approved for the expert.

Submitted for approval please.

Head of Dept.

To,
Director