

TURING STARS

**School Of Computer Engineering Newsletter
August Issue-2025
Kalinga Institute of Industrial Technology,
Deemed to be University, Bhubaneswar, Odisha**



Established : 1997

KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY
Deemed to be University U/S 3 of the UGC Act, 1956

SCHOOL OF COMPUTER ENGINEERING

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Saloni Kumari
Student



Harsh Sharma
Student

We are thankful to Respected Founder Dr. Achyuta Samanta for providing such a conducive environment. We are obliged to honourable vice chancellor Dr. Saranjit Singh, Dr. Samaresh Mishra, Director-General (Student Affairs) for his continued support and Prof. Bhabani Shankar Prasad Mishra, Dean (Academics), School of Computer Engineering, for their continued support.

We thank all faculty colleagues and students for their contribution for this edition of Turing Stars.

August 2025

Guest Lecture on "Web Services Using Python"

The Guest Lecture on "Web Services Using Python" was organized by the KIIT School of Computer Engineering on August 13, 2025. The session featured Deepak Agarwal, a Full Stack Lead Developer at Morgan Stanley, New York City, and an Adjunct Professor at Saint Peter's University, New Jersey.

The session provided a comprehensive overview of building web architectures, specifically focusing on Stateless systems and the foundational constraints of RESTful APIs. Students were guided through the industry-standard implementation of Web Services using Python, detailing how modern tech giants structure scalable backend systems. The lecture concluded with an interactive segment where students discussed real-world full-stack deployment challenges, industry demands, and technical skill sets required by global financial firms like Morgan Stanley.

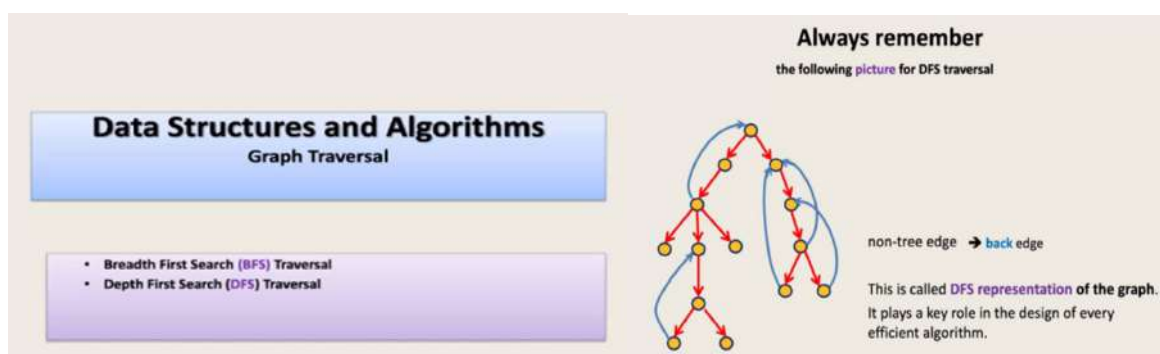


Guest Lecture on "Graph Traversal Algorithms"

The Guest Lecture on "Graph Traversal Algorithms" was organized by the KIIT School of Computer Engineering on 06th August 2025. The session featured Prof. Raghunath Tewari, an Associate Professor from the Department of Computer Science and Engineering at IIT Kanpur, as the key speaker.

Prof. Tewari deeply explored the theoretical foundations of Breadth-First Search (BFS) and Depth-First Search (DFS), clarifying how these fundamental methods traverse complex graph networks. He broke down critical graph properties such as vertices reachability, path length metrics, and how edge classification (such as non-tree edges and back edges) plays an essential role in structural representation. The presentation directly targeted practical system design and programming strategies, aiming to give graduate students a strong competitive advantage in their Design and Analysis of Algorithms (DAA) curriculum and technical placement interviews.

The event concluded with an interactive question-and-answer session coordinated by KIIT faculty members Dr. Pradeep Kumar Mallick, Dr. Hrudaya Kumar Tripathy, and Dr. Satarupa Mohanty.



Independence Day

79th Independence Day celebrations at the Kalinga Institute of Industrial Technology (KIIT) campus on August 15, 2025, were marked by massive, high-energy gatherings. The university aligned its main programming with the government's nationwide "Azadi Ka Amrit Mahotsav" and the "Har Ghar Tiranga" campaigns.

School of Computer Engineering participated in various events, with a vibrant, colourful cultural sequence presented by the student community and NCC wing, which featured traditional regional dances, patriotic music assemblies, and local art showcases celebrating India's rich diversity.





You are never too old to set another goal or to dream a new dream.

- *Les Brown*