



CTAE Coders Carousel

*Official Programming Club,
Department Of Computer Science And Engineering, CTAE Udaipur.*



Event Date- 16/04/2024

We are pleased to present a comprehensive report on the latest Programming Club event a workshop session on WorldQuant, which took place this Tuesday, April 9th under the leadership of Mohammed Imran ,CSE 3rd year .This workshop aimed to introduce students to the exciting world of quantitative finance (Quant) and equip them with the skills to build and analyze alpha factors.

Workshop Objectives:

- * Introduce students to the concept of Quantitative Finance (Quant) and its role in the financial markets.
- * Demystify Alphas and their significance in generating investment returns.
- * Provide hands-on experience with the WorldQuant BRAIN platform for building and testing alpha strategies.
- * Equip students with the necessary skills to participate in the International Quant Championship (IQC).

Workshop Content:

The workshop covered the following key topics:

- * **Quantitative Finance (Quant) Fundamentals:** This session provided an overview of the Quant field, its applications in finance, and the various types of quantitative models used.
- * **Understanding Alphas:** Students learned about alpha factors, their construction, and their role in generating excess returns.
- * **Introduction to WorldQuant BRAIN:** This session introduced the WorldQuant BRAIN platform, a user-friendly tool for developing and backtesting alpha strategies.
- * **Hands-on Practice:** Participants actively engaged in building and testing alpha factors using historical data on the BRAIN platform.
- * **IQC Preparation:** The workshop concluded with a session on strategies and resources for successfully participating in the International Quant Championship.



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Workshop Impact:

The WorldQuant workshop witnessed enthusiastic participation from a total of **240 students**, fostering a deeper understanding of quantitative finance concepts and the practical application of alpha factors. The workshop featured a guest lecture by Utkarsh Doshi Sir, Research Analyst at WorldQuant, who provided valuable insights into the industry and the WorldQuant BRAIN platform. This initiative, led by Mohammed Imran, Lead Coordinator of the Programming Club, is credited as a significant factor contributing to CTAE Udaipur's remarkable achievement of securing the 12th position globally in the International Quant Championship.

Benefits for Students:

- * Enhanced knowledge of Quantitative Finance and its applications.
- * Developed practical skills in building and testing alpha strategies.
- * Gained exposure to the WorldQuant BRAIN platform, a valuable tool for aspiring quants.
- * Increased confidence to participate in competitive events like the IQC.

Future Initiatives:

The Programming Club plans to build upon the success of this workshop by:

- * Organizing follow-up sessions for advanced alpha development techniques.
- * Establishing a dedicated Quant learning community within the club.
- * Collaborating with faculty to integrate quantitative finance concepts into the curriculum.

Conclusion:

The WorldQuant workshop organised by the Programming Club proved to be a valuable learning experience for students. This initiative not only equipped them with essential quantitative skills but also played a crucial role in achieving global recognition for CTAE Udaipur in the International Quant Championship. The Programming Club remains committed to fostering a vibrant learning environment for students interested in the field of quantitative finance.



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Special Thanks: -

We extend our sincere appreciation to our dedicated faculties for their unwavering support and seamless coordination.

Mr. Naveen Choudhary Sir, HOD CSE Department.

Mrs. Kalpana Jain Madam, Assistant Professor CSE Department.

Mrs. Anshita Dharmawat Madam, Event Facilitator and Incharge CSE Department. Mrs. Garima Jain Madam, Event Facilitator and Incharge CSE Department.

Faculty and Lab Assistant, CSE Department.



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