

Curriculum Vitae (CV)

Name Tasneem Samy Atiaa



Personal Information:

Academic Rank: Teaching Assistant

Department: Chemical Engineering

Specialization:

Position: Teaching Assistant

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Education:

Degree	Discipline	Institution	Year
B.Sc.	Chemical Engineering	HIGHER TECHNOLOGICAL INSTITUTE	GPA (3.59) – May 2024

Academic Experience:

Institution: Higher Technological Institute- 10th of Ramadan

Rank: Teaching Assistant - Assistant Professor

Dates: 12-2024 – till present

Research interests:

Fluid Mechanics

Certifications or Professional Registrations:

- دورة بنك المعرفة – Egyptian Knowledge Bank (EKB) Training Course HTI – 28 July, 2025

Previous Training Experiences:

Chemical Engineering (Misr Café) - (07/2020 – 08/2020)

Internship at Misr Cafe in identified areas for coffee brewing and preparation enhancement by applying knowledge of process flow and efficiency. Operations improvement options study. Acquired useful expertise in data analysis, problem-solving, and putting improvements into practice in a practical situation.

Chemical Engineering (ARMA) – (07/2021 – 08/2021)

A training program at ARMA within the field of chemical engineering emphasized on the design and improvement of soybean oil manufacturing processes. Taught methods for evaluating and optimizing the centrifuge-based oil extraction process by applying fluid dynamics principles acquired during studies at HTI. Contributed to enhancing product yield and maintaining quality standards through systematic data analysis and process evaluation

Chemical Engineering Internship at (Gasco) – (07/2022 – 08/2022)

Natural gas processing training focusing on complete elimination of contaminants like sulfur compounds and water vapor were to fulfill quality standards. Used thermodynamics knowledge to assess how well distillation columns separate the different components of natural gas. Study both process efficiency and safety considerations in the plant by keeping an eye on pressure levels and spotting possible hazards in the dehydration units.

Chemical Engineering (Ideal Standard) 07/2023 – 08/2023

Participated in monitoring and improving the efficiency and quality of the acrylic sheet's manufacturing process. Analyzed data to identify potential defects in the sheets used in production. Gained practical knowledge in thermoforming and machining techniques for acrylic bathtub fabrication

Teaching Experience

Provided academic support to undergraduate students in selected Chemical Engineering courses at HTI during the academic year (2024 – 2025) including:

- Thermodynamics
- Fluid Mechanics
- Engineering Chemistry
- Physical Chemistry
- Water Treatment

Held regular office hours to address student questions and provide one-on-one tutoring. Prepared and delivered supplemental course materials and academic advising work.

- Fluid mechanics
- Water treatment
- Engineering Chemistry
- Physical chemistry