Mechanical Power Engineering Department
Heat Transfer Research Labs (HTRL)

Our Mission

- To graduate students who can understand and keep up with the continuous development in the heat transfer, refrigeration and air conditioning fields and be able to efficiently compete at the local and regional levels, equipped with the foundations of basic, research and applied sciences.

- To apply human and material sources to cutting edge R & D in the fields of heat transfer, refrigeration & air conditioning. Our researchers main goal is to innovate novel and sustainable energy-saving, environmentally friendly solutions for society problems.

Our Beneficiaries

- Under-graduate students from Mechanical Power engineering department, mechatronics and new and renewable energy program.
- Post-graduate students who are interested in pursuing a higher degree in heat transfer fundamentals and applications or in refrigeration & air conditioning technologies.
- Private and public entities that are looking for effective solutions for cooling related problems and innovative cooling systems designs.

Our Research Interests

1) Heat transfer lab

-Heat transfer enhancement.

-Heat exchangers R & D.

- Heat transfer mediums.

2) Refrigeration & air-conditioning lab

- Refrigeration systems design and optimization.
- Systems energy saving.
- Unconventional refrigeration systems.
- Novel refrigerants R & D.