



National Science Foundation (NSF)

Research Experiences for Teachers (RET) Site at Texas A&M University-Kingsville (TAMUK)

Integrating data-driven research in Renewable Energy Across Disciplines (I-READ)

<https://www.tamuk.edu/engineering/institutes-research/NSF-RET-Program/Index.html>



**Summer Program Brochure
(June 17 - July 26, 2024)**

Team 1

Project Title: Solar Radiation Big Data Analysis for Strategic Positioning of Residential Solar Panels

Teacher Participants



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Industrial Advisor



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Team 2

Project Title: Analysis of Wind Speed Pattern Changes before and after Wind Farm Operations

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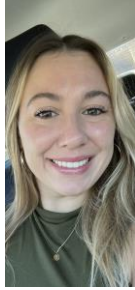
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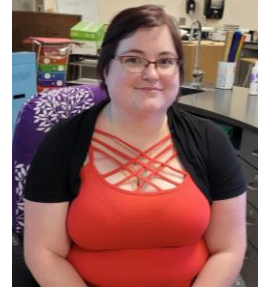
Team 3

Project Title: Effect of Daylighting on Students' Learning and Classroom Electricity Consumption

Teacher Participants

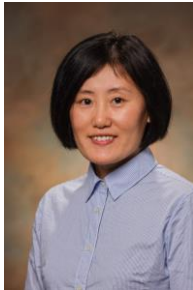


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Team 4

Project Title: Study the Potential of Converting Food Waste into Renewable Energy in the Backyard

Teacher Participants



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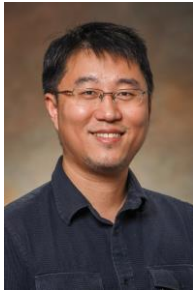


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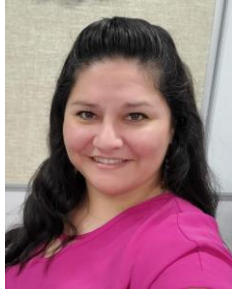
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Team 5

Project Title: Wind Farm Layout Study, Future Development, and Cost Analysis

Teacher Participants

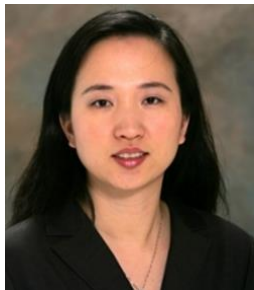


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