

**King Khalid University**  
**College of Engineering/Mechanical Engineering Department**

**Graduation Projects (Semester S411 – Fall, 2019)**

<b>N°</b>	<b>Title of the Project</b>	<b>Supervisors</b>
<b>1</b>	Performance Analysis of an Evacuated Tube Solar Water Heater System Coupled With Parabolic Trough Concentrator.	Dr. Salem Algarni
<b>2</b>	Study of a cool roof for building energy efficient.	Dr. Salem Algarni
<b>3</b>	A solar still augmented with a flat-plate collector and photovoltaic energy.	Dr. Ali Anqi
<b>4</b>	Performance Improvement of Solar Still using PLGB and Heaters.	Dr. Ahmed Saleel
<b>5</b>	Erosion Tests (Mechanisms and Materials).	Dr. Ali AL-Kuzaim
<b>6</b>	Design and investigation of a thermal energy storage unit.	Dr. Faouzi Askri
<b>7</b>	Parametric Study of Water Desalination by Membrane Distillation.	Dr. Ali Anqi
<b>8</b>	Modification and Enhancement of Performance of Double Pipe Heat Exchanger.	Dr. Mostafa Abdelmoheimen
<b>9</b>	Experimental Study of the effect of Some Parameters on the Performance of Heat Pipe Evacuated Tube Solar Collector.	Dr. Bayoumi El-Assal
<b>10</b>	Design Fabrication and Testing of Aluminium Composites Using Recycled Materials.	Dr. Vineet Tirth
<b>11</b>	Design of Smart Parking System.	Dr. Irfan Anjum

**Graduation Projects (Semester S412 – Spring, 2020)**

N°	Title of the Project	Supervisors
1	Performance analysis of compression Ignition Engine using blends of diesel and Oxygenated Fuels.	Dr. Sarfaraz Kamangar
2	Development of Artificial Neural Network model for surface roughness studies.	Dr. Javed Syed
3	Study and dimensioning of solar thermal system.	Dr. Mohamed Ali Merghni
4	Design, construction and performance analysis of a solar dryer cabinet with reflectors.	Dr. Ibrahim Elseesy
5	Dental Implants : A Design Efficacy Analysis.	Dr. Abhilash Edacherian
6	Enhancing the Performance of Diesel Engine using Biofuels.	Dr. Mohammad Yunus
7	Study and Design of Roll Bending Machine.	Dr. Amir Kessentini
8	Design and fabrication of Wave Energy Converter.	Dr. Fehmi Gamaoun
9	Design of waste heat-based power system using Thermoelectric Material.	Dr. Vineeth Tirth