

<b>Course Title:</b> Renewable Energy Technologies			
<b>Course Code:</b> NRC 184	<b>No. of Credits:</b> 3	<b>L-T-P:</b> 38-4-0	<b>Learning Hours:</b> 42
<b>Pre-requisite Course Code and Title (if any):</b> NRC 183			
<b>Department:</b> Natural and Applied Sciences			
<b>Course Coordinator:</b>		<b>Course Instructor:</b> Dr Naqui Anwer	
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<b>Course Type:</b> Elective		<b>Course Offered In:</b> Semester 3	
<b>Course Description</b> The course is designed to make the students conversant with renewable energy technologies. The course focuses on constructional details, working principles, and operation of different RE technologies for power generation and beyond. It provides an opportunity for the students to get widespread knowledge and train with the tools and techniques used in the RE industry.			
<b>Course Objectives</b> The objective of the courses is to develop in-depth knowledge of the following: <ul style="list-style-type: none"> <li>• Construction and operation of different solar PV technologies and their applications</li> <li>• Solar PV business models</li> <li>• Construction and operation of different solar thermal technologies and their applications</li> <li>• Construction and operation of different Wind Energy Conversion Systems (WECS) and their applications</li> <li>• Construction and operation of different biomass and biogas technologies and their applications</li> <li>• Introduction to geothermal, wave energy, tidal energy, and ocean thermal energy technologies for power generation.</li> </ul>			