



# Abu Dhabi Polytechnic

## Students' Graduation Project Abstract

<b>Department:</b>	Meteorology	<b>Semester:</b>	Spring-2022
<b>Project Title:</b>	Convective Activity Over North-East UAE Part B		
<b>Supervisor:</b>	Dr.Seyda Tilev and Dr. Radi Ajjaji		

### Abstract:

In this project we will continue to study the summer convective activity which takes place in the northeastern parts of UAE, in relation with the well-known Monsoon effect and dynamical lifting caused by the mountains. Radar images stored at the General Head Quarter of the UAE Army radar department were manually checked for the existence of convectivity. Hourly images for the Al Ain and UAE composite/Mosaic for the period between 2020 and 2021 were used. A storm climatology for the region along with conclusions and comprehensive analysis of the underlying weather conditions is the expected outcome.