

Student ID	Student Name	Title of the Project	Abstract
U18102255	Aya Nadim Houran	Matrices With Applications in Differential Equations	<p>In this project we will introduce some interesting concepts of matrix analysis and their applications in differential equations. First, we introduce some basic definitions, theorems, and results of matrix theory. Then we discuss the spectral theorem for normal matrices and its consequences. Finally, we present three ways to compute the exponential matrix and its applications in linear system of differential equations with constant coefficient.</p>