CH510- Self-Learning Group Project

Deliverables:

- **By November 11, 2024 (1159 pm): Please send your learning report as a presentation file (PDF) with outcomes of two tasks (Max. 15 slides) to asad.sahir@iitrpr.ac.in with cc: to bhawna.22chz0006@iitrpr.ac.in**
- **There will be no presentation**
- **Late submission will invite a 20% penalty per day of the project grade (i.e. Your group need not submit after November 16 (1159 pm) as they will get a zero)**
1. Task 1 – All groups please submit your slides using a mathematical function of the group's choice (other than solved in the book as an example) by utilizing the MATLAB code or your version.
2. Task 2 – Individual groups please submit your slides using a mathematical function of your choice (other than solved in the book as an example) by utilizing the MATLAB code or your version.

Task 1 (All groups):

All groups to develop MATLAB Programs based on the reading to achieve the following:
a) Graphical Representation of a surface
b) Graphical Representation of contours
c) 3D Image of Objective Function and Constraint
d) Contours of Objective Function and Constraint

Task 2 (Individual groups):

As per the groups decided in the class in October 2024. Kindly achieve the following:

Group	Tasks
1	Interval Method
2	Grid Method
3	Golden Section Method
4	Fibonacci Method
5	Quadratic Approximation

Resources:

1. Material required to study has been provided
2. Process Simulation Workshop will take place after November 5, 2024