The objective of this lab is to
- Get to know mongoDB.
- Perform CRUD operations on it.
- Handle and validate user input.

Instructions!
- Keep your student identity cards with you.
- This is an individual lab, you are strictly NOT allowed to discuss your solutions with your fellowcolleagues, even not allowed to ask how he/she is doing, as it may result in a negative marking.
- You can ONLY discuss this with TAs or Ma'am.
- Save your work frequently. Make a habit of pressing CTRL+S after every line of code you write.
- This is a GRADED lab, so, at the end of the lab session, you should have your complete workready for evaluation.
- Follow proper coding conventions and write comments.
- Total Time for this Lab is 120 minutes.

> "I am not a visionary. I'm an engineer. I'm happy with the people who are wandering around looking at the stars but I am looking at the ground and I want to fix the pothole before I fall in."
>
> – *Linus Torvalds*

*In this lab, you'll be building APIs and testing them with JSON data, on **Postman**.*

Create APIs to perform CRUD operations on MongoDB collection of products.

Product Collection must at least have these attributes:
- ✓ Name
- ✓ Description
- ✓ Price

This task will involve creating API for the following operations:

- ✓ **Adding a new product to the collection:**
  - ▪ Takes JSON object, with necessary parameters, and data of a product.

- ✓ **Reading products from the collection:**
  - ▪ API takes in an optional parameter for number of products to return, if no parameter is passed, will return all the products.

- ✓ **Updating existing products in the collection:**
  - ▪ Send the data to be updated as parameter to the API call, and will return the updated product or response if the update was done successfully or not.

- ✓ **Deleting products from the collection**
  - ▪ Delete the product, by it's unique identifier, and API should return a meaningful response about the operation.

- ✓ **Search Product**
  - ▪ Create an API, that'll take any word or phrase as parameter, and products matching that specific text (with both name and description) will be returned as JSON response.