**National University of Computer and Emerging Sciences**



**Lab Exercise 09**

*for*

# Web Programming

# Spring 2024

**FAST School of Computer Science**

# LABORATORY OUTCOMES

The practical/exercises in this section are psychomotor domain Learning Outcomes (i.e. subcomponents of the COs), to be developed and assessed to lead to the attainment of the competency.

This Course is designed to take the students full adventure of “**Full Stack Web Development**.”

**Today’s Agenda**

Module 1: NodeJS.

The covered content in todays lecture and its material reference is added over here.   
**NodeJS Docuemntation:**

* <https://nodejs.org/en/about>
* <https://www.w3schools.com/nodejs/nodejs_get_started.asp>

**Tasks Covered:**

* **What is NodeJS?**
* **How to setup and run NodeJS**
* **Server creation**
* **Built-in Modules: Http and FS**
* **NMP package manager**
* **User defined module: MyDateTime (how to create and use)**
* **REPL of NodeJS**
* **Conecpts of some functions like: end(), write(), require, createserver(), setheader(), replace(), FS functions**

<https://nodejs.org/en/about>

**You are done with your exercise(s), make your submission on Classroom.**

**BEST WISHES**

**References**

*W3Schools free online web tutorials*. Choose a Bootstrap Version (3, 4 or 5). (n.d.). Retrieved February 22, 2022, from <https://www.w3schools.com/bootstrap/bootstrap_ver.asp>

JavaScript tutorial. (n.d.). Retrieved February 22, 2022, from <https://www.w3schools.com/js/default.asp>