COLLEGE OF INFORMATICS AND VIRTUAL EDUCATION

INDUSTRIAL PRACTICAL TRAINING II

RESTFUL WEB APPLICATIONS DEVELOPMENT USING SPRING BOOT & JQUERY

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1. **General introduction.**

2. **Development environment preparing.**
   -Installing Spring Tool Suite (STS).
   -Maven dependencies.
    -installing postman.

 3. Getting started

   -Initializing a restful web application project.

   -understanding the project's codebase structure and the spring boot architecture.

   -Our first basic API (the "hello world" API).

   -Endpoints testing using postman.

 4. Creating a RESTful web service using spring boot.

   Basic web service and the spring boot architectural overview

   -Handling GET requests to retrieve user resources.

   -Handling Post requests to create user resources.

   RESTful services with database using JPA

-JPA general overview

-Handling GET requests to retrieve user resources.

-Handling Post request to create user resources.

-Handling PUT requests for updating user resources.

-Handling delete requests for deleting user resources.

-implementing static filtering.

- Manipulate the HTTP response.

Basic authentication using spring security

5. Consuming a RESTful web service using jQuery.

- JQuery basics.

-web service client with jQuery Ajax.