

AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Faculty of Science and Technology (FST)

Department of Computer Science (CS)

Course: Web Technologies

Lab Task 05: Semantic Webpage with Advanced Forms and Metadata

Instructions:

- 1. Complete the task using HTML5 only.**
- 2. Do not use CSS or JavaScript.**
- 3. Save the file with .html extension.**
- 4. Push the completed file to your GitHub repository.**

Scenario:

You are designing a personal academic profile page that demonstrates correct use of semantic HTML5, form design, and document metadata, suitable for internship or academic review.

Part A: Metadata (Head Section)

Include the following inside <head>:

1. Page title
2. Meta charset
3. Meta description
4. Meta keywords
5. Meta author

Part B: Semantic Page Layout

Structure the page using:

- <header> (name + navigation)
- <nav> (at least 3 links)
- <main>
- <section> (biography, education)
- <footer> (contact info / copyright)

Part C: Education Table

Create a table showing:

1. Degree

2. Institution
3. Year
4. Result

Use:

- <caption>
- <thead>, <tbody>
- Proper <th> usage

Part D: Advanced Contact Form

Create a contact form with:

1. Name (required)
2. Email (required)
3. Phone (pattern attribute)
4. Message (textarea, required)

Use HTML5 attributes:

- required
- placeholder
- pattern
- maxlength

Part E: Accessibility and Semantics

1. Use <label> for every input.
2. Use meaningful headings hierarchy.