نيجيريا،إلورن،جامعةالحكمة

AL-HIKMAH UNIVERSITY, ILORIN, NIGERIA
….a tradition of learning for wisdom and morality

FACULTY OF NATURAL AND APPLIED SIENCES
DEPARTMENT OF COMPUTER SCIENCE
BSc Software Engineering
2023/2024 Session
COURSE OUTLINE

COURSE CODE: SEN305
COURSE TITLE: Web Application Development
CREDIT UNITS: 3
LECTURE DAY(S): Thursdays; 4pm – 6pm, Fridays; 11am – 12noon

LECTURE PERIOD	TOPIC	COURSE LECTURER(S)
Week 1	Introduction to Web Development ✓ Overview of web technologies ✓ Frontend and Backend development ➢ Intro. HTML ✓ Practical Exercises	R.D. AZEEZ
Week 2	Frontend Development ✓ HTML5 fundamentals ➢ HTML structure ✓ attributes ✓ element ✓ HTML styling – Block and inline	R.D. AZEEZ

Week 3	Frontend Development
	✓ CSS
	  ➢ Selectors
	  ➢ Attributes
	✓ Practical Exercises
		R.D. AZEEZ

Week 4	CSS ✓ Styling and Layout ✓ Box Model Practical Exercises	R.D. AZEEZ
Week 5	JavaScript for Web Interactivity ✓ JavaScript Basics ✓ Understanding DOM ✓ DOM manipulation Practical Exercises	R.D. AZEEZ
Week 6	Event handling ✓ DOM event AJAX introduction	R.D. AZEEZ

	✓ AJAX response ✓ AJAX application ✓ AJAX PHP Practical exercises	
Week 7	**Continuous Assessment**	
Week 8	Server-Side Scripting ✓ Introduction to Server-side scripting language ✓ Introduction to PHP Practical exercises	R.D. AZEEZ
Week 9	Implementing Backend functionality Database Integration ✓ Relational and non-relational databases ✓ Database design Practical exercises	R.D. AZEEZ
Week 10	Common web security threats Web application maintenance	R.D. AZEEZ
Week 11	**Continuous Assessment**	
Week 12	**Revision**	
Week 13	**Revision**	
Week 14	**Examination Period**	
Week 15	**Examination Period**	