

CS PRACTICUM X LEARNING PATH PROPOSAL

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STUDENT NUMBER : 2019154413

PROGRAM : BSCS

IDENTIFIED LEARNING MODULES

A. Required Learning Modules

1. Design Thinking Learning Module (Total Engagement Hours: 15 hours Total Credit Hours: 30 hours)
 - a. Learning Design Thinking: Lead Change in Your Organization by Turi McKinley (2h 8m)
 - b. Develop Your Creative Thinking and Innovation Skills Learning Path 8 courses (8h)
 - c. Develop Critical-Thinking, Decision-Making, and Problem-Solving Skills 6 courses (5h)
2. Project Management Learning Module (Total Engagement Hours: 15 hours Total Credit Hours: 30 hours)
 - a. Project Management Foundations by Bonnie Biafore (3h 20m)
 - b. Become an Agile Project Manager Learning Path 9 courses (12h)
3. Workplace Management Learning Module (Total Engagement Hours: 15 hours Total Credit Hours: 30 hours)
 - a. Develop Your Communication Skills and Interpersonal Influence 9 courses (8h)
 - b. 5S Workplace Productivity by Gemba Academy (1h 36m)
 - c. Time Management Fundamentals by Dave Crenshaw (2h 53m)
 - d. Time Management: Working from Home by Dave Crenshaw (1h 25m)
 - e. Business Etiquette: Phone, Email, and Text by Suzanna Kaye (58m)

B. Specialization Learning Modules

1. Web Development (Total Engagement Hours: 90.6 hours Total Credit Hours: 181 hours)
 - A. Become a Full-Stack Web Developer (22h 19m)
 - a. HTML Essential Training (2h 45m)
 - b. CSS Essential Training (In Learn CSS Learning Path)
 - c. JavaScript Essential Training (5h 29m)
 - d. Search Techniques for Web Developers (55m)
 - e. Learning ECMAScript 6+ (ES6+) (1h 15m)
 - f. Git Essential Training: The Basics (2019) (2h 55m)
 - g. React.js Essential Training (Explore React.js Development Learning Path)
 - h. Node.js Essential Training (Exploring Web Development with Node.js Learning Path)
 - i. SQL Essential Training (4h 24m)



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- j. NoSQL Essential Training (43m)
- k. Learning REST APIS (1h 6m)
- l. DevOps Foundations (2h 47m)
- B. Explore React.js Development (20h 21m)**
 - a. React.js Essential Training (2h 1m)
 - b. React.js: Building an Interface (1h 40m)
 - c. React: Creating and Hosting a Full-Stack Site (4h 44m)
 - d. React Hooks (1h 13m)
 - e. React: Accessibility (34m)
 - f. Building Modern Projects with React (3h 41m)
 - g. React: Authentication (5h 12m)
 - h. React: Server-Side Rendering (1h 13m)
- C. Learn CSS (23h 56m)**
 - a. CSS Essential Training (4h 29m)
 - b. CSS: Selectors (2h 19m)
 - c. CSS: Inheritance, Specificity, and the Cascade (1h 36m)
 - d. CSS: Images (2h 4m)
 - e. CSS: Animation (1h 50m)
 - f. CSS: Display (42m)
 - g. Advanced Responsive Layouts with CSS Flexbox (1h 48m)
 - h. CSS: Advanced Layouts with Grid (3h 21m)
 - i. CSS: Variables and Fluid Layouts (2h 2m)
 - j. CSS Layouts: From Float to Flexbox and Grid (1h 46m)
 - k. CSS: Print Style Sheets (1h 54m)
- D. Exploring Web Development with Node.js (24h)**
 - a. Node.js Essential Training (1h 20m)
 - b. Learning npm the Node Package Manager (2018) (43m)
 - c. Node.js: Testing and Code Quality (4h 21m)
 - d. Databases for Node.js Developers (3h 34m)
 - e. Express Essential Training (1h 59m)
 - f. Advanced express (2h 30m)
 - g. Node.js Essential Training: Web Servers, Test, and Development (1h 18m)
 - h. Building RESTFUL APIs with Node.js and Express (1h 17m)
 - i. Node.js: Securing RESTful APIs (58m)
 - j. Node: Authentication (3h 38m)
 - k. Advanced npm (42m)
 - l. Node.js Microservices (2h 14m)

2. User Experience (Total Engagement Hours: 14.37 hours Total Credit Hours: 28 hours)

A. Advance Your Skills in User Experience Design (14h 22m)

- a. Figma for UX Design (56m)
- b. Sketching for UX Designers (1h 35m)
- c. UX Deep Dive: Mapping (28m)
- d. Practical Accessibility for Designers (2h 5m)
- e. UX Foundations: Interaction Design (3h 28m)
- f. Design Powered by Data: Getting Started with UX Web Analytics (32m)
- g. Figma for UX Research: Presentations that Stand Out (4h)
- h. Micro for UX: Brainstorming and Collaboration (50m)
- i. UX Deep Dive: Remote Research (26m)


3. Cloud Computing (Total Engagement Hours: 13.87 hours Total Credit Hours: 28 hours)

A. Understanding Cloud Fundamentals (13h 52m)

- a. Learning Cloud Computing: Core Concepts (1h 32m)
- b. Learning Cloud Computing: Public Cloud Platforms (1h 12m)
- c. Learning Cloud Computing: Cloud Security (53m)
- d. Learning Cloud Computing: Cloud Storage (1h 22m)
- e. Learning Cloud Computing: Networking (1h 8m)
- f. Cloud Concepts: Hybrid Cloud (37m)
- g. Introduction to AWS for Non-Engineers: 3 Core Services (1h 19m)
- h. Azure: Understanding the Big Picture (3h 25m)
- i. Google Cloud Foundations (49m)
- j. Cloud Computing Careers and Certifications: First Steps (1h 31m)

Required Modules Credit Hours:	90 hours
Specialization Modules Credit Hours:	237 hours
Total Credit Hours:	327 hours

PREPARED BY:



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