MCL

Malayan Colleges Laguna
A MAPÚA SCHOOL

CCIS College of Computer
and Information Science
Malayan Colleges Laguna

CS PRACTICUM X LEARNING PATH PROPOSAL

COMPLETE NAME   : Job Lipat   PROGRAM : B.S. Computer Science
STUDENT NUMBER   : 2019164406

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)

Mapúa Institute of Technology at Laguna · College of Computer and Information Science · E.T. Yuchengco College of Business · Mapúa-PTC College of Maritime Education and Training
College of Arts and Science · Institute for Excellence in Continuing Education and Lifelong Learning · MCL Senior High School

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B. Specialization Learning Modules

- IBM DevOps and Software Engineering Professional Certificate (Total Engagement Hours: 165 hours, Total Credit Hours: 330 hours)
  a. Introduction to DevOps (9 hours)
  b. Introduction to Cloud Computing (12 hours)
  c. Introduction to Agile Development and Scrum (9 hours)
  d. Introduction to Software Engineering (14 hours)
  e. Hands-on Introduction to Linux Commands and Shell Scripting (12 hours)
  f. Getting Started with Git and GitHub (8 hours)
  g. Python for Data Science, AI & Development (20 hours)
  h. Python Project for AI & Application Development (7 hours)
  i. Introduction to Containers w/ Docker, Kubernetes & OpenShift (13 hours)
  j. Application Development using Microservices and Serverless (14 hours)
  k. Introduction to Test Driven Development (TDD) (10 hours)
  l. Continuous Integration and Continuous Delivery (CI/CD) (10 hour)
  m. Application Security and Monitoring (14 hours)
  n. DevOps Capstone Project (13 hours)

PREPARED BY:

Job Lipat / March 30, 2023

Signature over Printed Name / Date

APPROVED BY:

Khristian Kikuchi / March 30, 2023

Signature over Printed Name / Date

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