



Davao del Sur State College
Brgy. Matti, Digos City, Davao del Sur

System Integration and Architecture



System Integration & Architecture 1

Kris Castromayor – Bahaya, LPT, MIT
Jean Nikolai Roxas
Authors

PREFACE

This course pack has been thoughtfully prepared to serve as a comprehensive learning resource for both instructors and students in the field of Information Technology. It provides an integrated framework for understanding how complex systems are designed, structured, and interconnected to form cohesive, adaptive, and efficient technological environments. In the fast-evolving digital era, the ability to architect and integrate systems effectively is vital in achieving organizational agility, scalability, and alignment between business processes and technological infrastructures.

The material emphasizes the fundamental principles of enterprise architecture, system design, and system integration. It offers a balanced approach that combines theoretical foundations with practical applications, allowing learners to grasp both the conceptual and technical dimensions of information systems. Each module presents well-structured lessons, guided discussions, analytical activities, and applied exercises designed to bridge theory and practice. Learners are encouraged to develop a deeper understanding of system components, design processes, and integration methodologies that reflect real-world professional scenarios.

This coursepack is intended to enhance the learner's competence in analyzing, designing, and implementing technology solutions while fostering critical thinking, creativity, and problem-solving abilities. It aims to cultivate not only technical proficiency but also adaptability and professional growth—qualities that are essential for success in the dynamic landscape of information and communication technology.

May this coursepack serve as a valuable guide for educators and learners alike in their pursuit of knowledge, innovation, and excellence. Through active participation, collaboration, and application, students are encouraged to think critically, design intelligently, and contribute meaningfully to the advancement of modern technological systems.

Kris C. Bahaya, LPT, MIT and Jean Nikolai P. Roxas
Author & Educator

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