



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

IT 636

APPLICATION DEVELOPMENT AND EMERGING TECHNOLOGY

Author:

Domingo V. Orignes Jr., IT.D





PREFACE

This course pack for Application Development in Emerging Technology is created to help students gain both fundamental knowledge and practical insight into modern technologies used in building digital applications. AS technology continues to grow and change rapidly, it is important for developers to understand how to create applications that are not only efficient and innovative, but also secure, intelligent, and responsible.

The course materials introduce important concepts such as application design principles, mobile and cross-platform development, cloud technologies, data management, artificial intelligence integration, and essential security practices. Each module includes lessons, learning activities, and assessments designed to help students understand how emerging technologies shape the development of modern software and digital systems.

In addition, this course pack highlights the importance of responsible technology development. It discusses key topics such as data privacy, cybersecurity, and ethical considerations in the use of artificial intelligence. Through guided discussions, hands-on activities, and real-world examples, students are encouraged to critically examine how technology affects individuals, organizations, and society as a whole

Overall, this course pack aims to serve as a helpful learning resource that supports students in strengthening their technical abilities while also developing awareness of ethical and responsible technology practices as future developers and innovators.

Domingo V. Origines Jr., IT.D
Author





Republic of the Philippines
DAVAO DEL SUR STATE COLLEGE
Brgy. Matti, Digos City, Davao del Sur, Philippines 8002

Application Development in Emerging Technology

**A Course Pack for
BSIT Students**

Domingo V. Origines Jr., IT.D
Davao del Sur State College
Matti, Digos City, Davao del Sur



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