



Republic of the Philippines  
**SURIGAO DEL NORTE STATE UNIVERSITY**  
Narciso Street, Surigao City 8400, Philippines

"For Nation's Great Heights"

**MASTER IN INFORMATION TECHNOLOGY**  
**MIT 301-CAPSTONE PROJECT 1**

<b>Student</b>	<b>Title</b>	<b>Adviser</b>
BALABAT, LEONARD C.	Sentiment Analysis-Based Homestay Scheduler Management System	Dr. Jessica Rose E. Fernandez
MADERAZO, RIZALYN T.	Centralized Travel and Tour Operation Management Marketing System w/ Social Network Analysis	Dr. Jessica Rose E. Fernandez
MAHINAY, JESSIE	Predictive Analytics for Employee Performance : Machine Learning Approach	Dr. Jessica Rose E. Fernandez
OMAS-AS, REA MIE	Design and Implementation of Unified Feedback Management System with Text Analytics and Sentiment Analysis	Dr. Jessica Rose E. Fernandez
GOSELA, REGINALD RYAN	Predictive Analytics Approach to Board Examination Performance Using Logistic Regression and XGBoost Classifier	Dr. Jessica Rose E. Fernandez
ISRAEL, LOID MARXZ E.	Development of a Decision Support System for the Municipal Social Welfare and Development Office (MSWDO) Integrating Predictive Analytics Using SARIMA, GIS, and an AI-Powered Assistant via LangChain	Dr. Monalee A. dela Cerna
DAHILAN, JASPERGEN D.	Health sync: A Geospatial-based Digital Health Platform for Community Health Organization	Dr. Monalee A. dela Cerna
ALIGUAY, MICHAEL N.	AUTOHUB: A Unified Digital Platform for Land-based Vehicle Shops Management	Dr. Monalee A. dela Cerna
MUTAS, MARIA PERCYLA	Development of a Geo-Mapping and Product Identification System for Land Farm-Based Agricultural Commercialization	Dr. Monalee A. dela Cerna
VILLASIN, JEAN Y.	Mobile application for soil type classification and crop recommendation using image processing and GIS	Dr. Monalee A. dela Cerna
GALLEROS, DARILLE B.	GeoProfile: A GIS-Based Household Profiling Databank System for MSMEs in Surigao City	Dr. Monalee A. dela Cerna
ENCARNACION, JESSE EMMANUEL A.	Design and Development of an AI-Enabled Network Operations Center Portal with Integrated System Monitoring, Incident Management, and Data-Driven Analytic	Dr. Monalee A. dela Cerna



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GELIG, JONEL D.	STEP-POWERED INNOVATION: Footstep Tiles for Clean Energy Generation with IoT Monitoring System	Engr. Levi A. Corvera
LAORDEN, KENT	Design and Implementation of a Context-Aware Document Retrieval and Classification System for School Record Management Using Retrieval- Augmented Generation	Engr. Levi A. Corvera
TIMBAL, REXON L.	Development of a AGNES(Agglomerative Nesting) Based Hotspot Detection and Reporting System for Road Accident Analysis in Caraga Region	Engr. Levi A. Corvera
CLEMEN, JOHN MARK	CARAguide: A Multimodal Chatbot Utilizing Retrieval Augmented Generation (RAG) for Tourism in CARAGA Region	Engr. Levi A. Corvera
FALO, RONNEL	Research output checker with recommendation System	Engr. Levi A. Corvera