Republic of the Philippines
OFFICE OF THE PRESIDENT
COMMISSION ON HIGHER EDUCATION

APPOINTMENT

In accordance with Section 3(a) of Republic Act No. 8292, otherwise known as the "**Higher Education Modernization Act of 1997**",

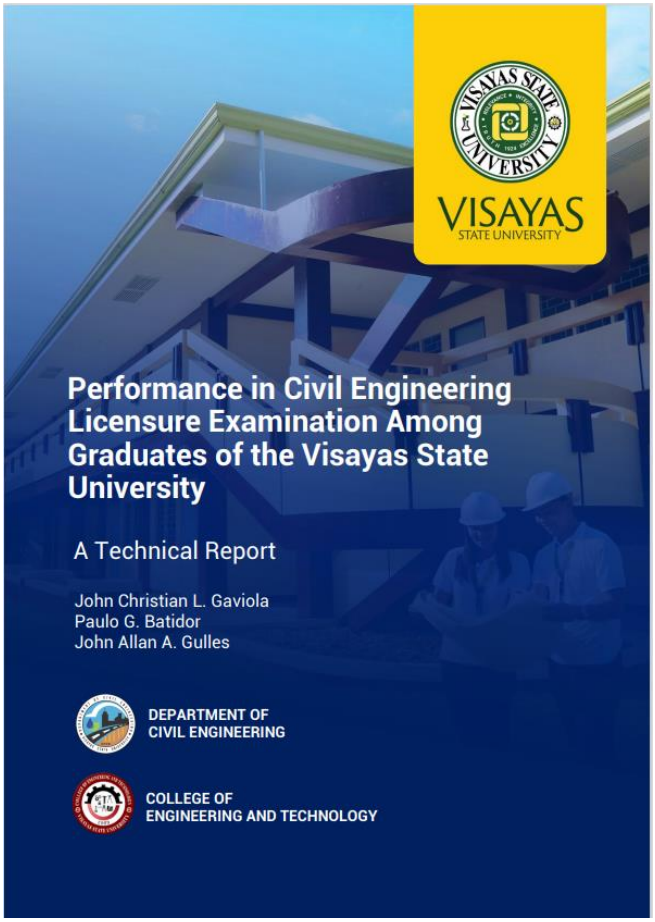
MR. JOHN ALLAN A. GULLES

is hereby appointed as **STUDENT REGENT** of the **Board of Regents** of the **Visayas State University** commencing on **01 August 2017** and expiring on **31 July 2018** with all the powers, rights, responsibilities and privileges appertaining thereto.

Visayas State University, Visca, City of Baybay, Leyte, Philippines.

For the Visayas State University Board of Regents (BOR)

HON. J. PROSPERO E. DE VERA III
CHED Commissioner &
Chairman, VSU-BOR



Performance in Civil Engineering Licensure Examination Among Graduates of the Visayas State University

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ABSTRACT

Higher Education Institutions in the Philippines offering Civil Engineering degree program establishes their names through their graduates' performance in the Civil Engineering Licensure Examination (CELE). Board examination performance plays a critical role in determining educational quality, which in turn ensures that students are efficient and effective in their chosen profession or career. This research aimed to make a profile of the performance of the graduates in the board examination implemented by the PRC. This study focuses on establishing the relationship between academic performance and the board examination performance of the BSCE graduates of the Visayas State University. The Pearson Product-Moment correlation was applied to determine the degree of linearity between bivariate performance of these students. Low to moderate significant correlations were found. Multiple linear regression model was built to predict the average rating in the board examination. Model considered were cross-validated using leave-one-out cross validation technique. The best fitted model was chosen by the three predictive performance criteria: root mean square error (RMSE), mean absolute error (MAE), and adjusted coefficient of determination (R_adj^2). The final model includes Surveying, Engineering Economy, Hydraulics, Structural Engineering and Preboard Examination rating as the predictors. The overall predictive performance of this model constituted to a 36.03% explained variability, 4.53 average error, and an RMSE of 5.96. The board examination performance evaluated in the last six years and the average institutional ratings were 30%-50% above the national passing rate. Finally, the academic performance of these students in the courses found to be significant predictors are indicative of their average rating during the licensure examination. Future work can focus on various factors reinforcing the performance of the students.

Keywords: Academic Performance; Civil Engineering Licensure Examination, Correlation Analysis; Predictive Modelling;

VISAYAS STATE UNIVERSITY

CERTIFICATE OF ATTENDANCE

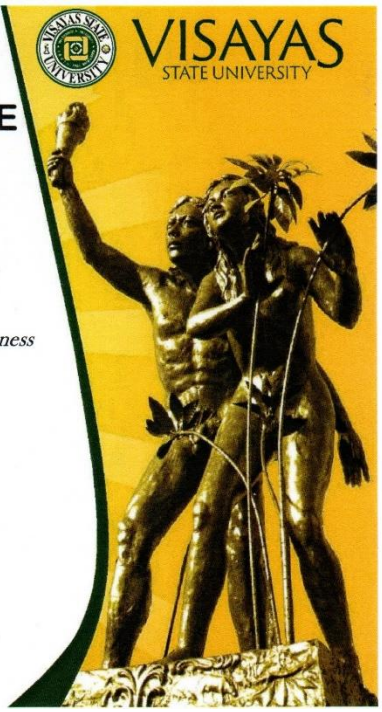
is hereby presented to

JOHN ALLAN A. GULLES

for having attended the ISO 9001:2015 Awareness/Re-awareness Webinar conducted on September 13, 2021

Given this 13th day of September 2021, at the Visayas State University, Visca, Baybay City, Leyte

EDGARDO E. TULIN
President



LIBERAL YOUTH

This

CERTIFICATE OF PARTICIPATION

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for successfully participating in the Webinar on Strengthening Youth Organizations held from 2:00PM to 4:00PM on 22 August 2020.

JIGGY CALUCAG
Lead Convenor
Liberal Youth of the Philippines


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