LEARNING AS ONE NATION

Expanded Project

Stat & Prob_Q3_Project

S H S L E A R N I N G A C T I V I T Y

Name: _____ **Score/Mark:** _____

Grade and Section: _____ **Date:** _____

Strand: ☐ STEM ☐ ABM ☐ HUMSS ☐ ICT (*TVL Track*)

Subject: ***Statistics and Probability***

Type of Activity: ☐ Concept Notes ☐ Skills: Exercise/Drill ☐ Illustration ☐ Performance Task ☐ Essay/Report ☐ Others: _____

Activity Title: Applications of Random Variables

Learning Target: To determine various real-world examples as applications of random variables.

References: *(Author, Title, Pages)* L.A. Sajulga, L.E.B. Bolaer, CVIF Learning Activities

Instructions:

1. Provide two (2) examples of real-world situations where a statistical or random experiment is being employed. Use clean sheets of long bond paper (8.5 in. x 13 in.).
   a) Construct a random variable that will characterize the possible outcome for each given random experiment.
   b) Define the corresponding sample space and variable space.
   c) Briefly explain how the outcomes for each experiment are free from any bias.
   d) Make a simple drawing to illustrate each random experiment that you have provided. Use appropriate designs and design materials that are related to your output.
2. For the cover page, please follow this format (see box below).

"Project in Statistics and Probability"
(APPLICATIONS OF RANDOM VARIABLES)
A.Y. 2022-2023

Submitted by:
(Student's name)
Grade, Strand & Section

Submitted to:
(Instructor's Name)

Date submitted: