



Republic of the Philippines  
**Department of Education**  
 REGION VIII - EASTERN VISAYAS

February 14, 2024

**REGIONAL MEMORANDUM**

No. **158** s. 2024

**CONDUCT OF A STUDY TITLED “PROJECT SYLLABI: SYNTHESIS OF LOGICAL AND LEARNING ALGORITHM-BASED INFORMATION USING ARTIFICIAL INTELLIGENCE AND DATA ANALYSIS FOR FLEXIBLE LEARNING EDUCATION”**

To: Schools Division Superintendents  
 Public Secondary School Heads  
 All Others Concerned

1. The Office of Usec. Nolasco A Mempin, Undersecretary for Administration, issued Memorandum OUA-OUT-020124-P4-1 relative to the conduct of the study titled “Project Syllabi: Synthesis of Logical and Learning Algorithm-Based Information Using Artificial Intelligence and Data Analysis for Flexible Learning Education” which is being conducted by De La Salle University (DLSU) and funded by the National Research Council of the Philippines (NRCP).

2. In connection with the conduct of the said study, the Schools Division Offices through the Senior Education Program Specialist for Planning and Research, are requested to undertake the following:

- Disseminate the online survey among Junior High School and Senior High School students and teachers (*see attached Annex 2 for the survey links*);
- Gather data on the number of students who have received academic awards from 2017 up to the present;
- Assist in the conduct of the Focus Group Discussion (FGD); the DLSU research team will laterally coordinate the details and schedule with selected participants from field offices through an online platform;
- Ensure that participation is voluntary, particularly that participants have the right to refuse to participate or discontinue the survey at any time; and
- Submit feedback to the Policy, Planning, and Research Division through the link [https://bit.ly/Feedback\\_ProjectSyllabi](https://bit.ly/Feedback_ProjectSyllabi) (*see attached Annex 4 for the monitoring report template*).

3. Please see the attached documents for details. For further inquiries, please contact Dr. Jhoanne C. Orillo, Associate Professor and Lecturer of Department of Physics at De La Salle University, at 0917-9720670 or at [jhoanne.orillo@dlsu.gov.ph](mailto:jhoanne.orillo@dlsu.gov.ph).

4. Immediate dissemination and strict compliance with this Memorandum are desired.

  
**EVELYN R. FETALVERO CESO IV**  
Regional Director 

Enclosures: As Stated

References: As Stated

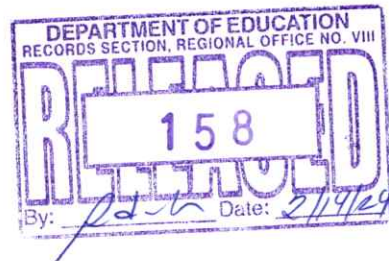
To be indicated in the Perpetual Index under the following subjects:

PROJECT SYLLABI

RESEARCH

SURVEY

PPRD-JDD





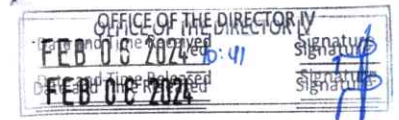
Republic of the Philippines  
**Department of Education**

OFFICE OF THE UNDERSECRETARY FOR ADMINISTRATION



OUA-OUT-020124-P4-1

**MEMORANDUM**



TO : All Regional Directors

FROM :   
NOLASCO A. MEMPIN  
*Undersecretary for Administration*

SUBJECT : Request for the Conduct of a Study entitled "Project SYLLABI: Synthesis of Logical and Learning Algorithm-Based Information using Artificial Intelligence and Data Analysis for Flexible Learning Education"

DATE : 01 February 2024

This has reference to the request of Dr. Jhoanne C. Orillo, a faculty from De La Salle University (DLSU), to conduct their National Research Council of the Philippines (NRCP)-funded research titled "Project SYLLABI: Synthesis of Logical and Learning Algorithm-Based Information using Artificial Intelligence and Data Analysis for Flexible Learning Education". The study aims to develop a pilot scale Educational Management Information System that would serve as a platform to gather necessary information and data on important educational performance indicators. The study also aims to determine the impact and effectiveness of online learning in terms of knowledge and skill-based assessment in the Philippines.

In this regard, a series of research endeavors will be undertaken, including the administration of online surveys and conduct of focus group discussions (FGDs). The target participants for the surveys and FGDs will be students from Junior High School and Senior High School, as well as teachers from these grade levels, excluding schools that participated in the pilot testing phase, as listed in Annex 1. The survey will be administered online, and the respective links and QR codes for access are provided in Annex 2. Subsequently, the FGDs will be conducted remotely via Zoom, following the retrieval of survey responses. Within the online survey form, there is an inquiry regarding the willingness of volunteer teachers and students to engage in the FGD. Based on their responses, the researchers will select at least two teachers and two students from each region to participate in the Focus Group Discussion. Templates for assent and consent forms are available in Annex 3. Further, researchers require information regarding the number of students who have received academic awards from 2017 up to present.



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over email  
2/5/24

In this regard, Regional Offices (ROs) are requested to:

- Coordinate with School Division Offices (SDOs) and schools to support the research team in the dissemination of the online survey among Junior High School and Senior High School students and teachers;
- Coordinate with School Division Offices (SDOs) to gather data on the number of students who have received academic awards from 2017 up to present.
- For the conduct of focus group discussion (FGD), the DLSU research team will laterally coordinate its details and schedule to selected participants from field offices. This will be conducted through an online platform; and
- Submit feedback on the actual conduct of the study as a result of monitoring to the Policy Research and Development Division - Planning Service (PRD-PS) at email address: [ps.prd@deped.gov.ph](mailto:ps.prd@deped.gov.ph) (*See Annex 4 for the template of monitoring report*).

Kindly note that participation is voluntary. Particularly, participants have the right to refuse to participate or discontinue in accomplishing the survey at any time.

For further inquiries, kindly contact the PS-PRD at email address [ps.prd@deped.gov.ph](mailto:ps.prd@deped.gov.ph) . For lateral coordination, contact Dr. Jhoanne C. Orillo, Associate Professor Lecturer of Department of Physics De La Salle University (DLSU), Department of Physics, 7th Floor William Hall, De La Salle University, 2401 Taft Avenue, Manila through mobile number, 09179720670 and email address, [jhoanne.orillo@dlsu.edu.ph](mailto:jhoanne.orillo@dlsu.edu.ph).



For consideration and appropriate action. Thank you.



**Annex 1: List of Excluded Schools for the Survey (Schools participated in the Pilot Testing)**

No.	Region	School name
1	CALABARZON	Bacoor National High School
2	Region III	Subic National High School
3	NCR	De La Salle Integrated School
4	Region III	Ilwas National High School
5	NCR	Ramon Magsaysay High School

**Annex 2: Links for the Surveys**

Intended Respondents	Survey Link	QR Code
Teachers	<a href="https://bit.ly/TEACHERS-survey">https://bit.ly/TEACHERS-survey</a>	 <a href="https://bit.ly/TEACHERS-survey">bit.ly/TEACHERS-survey</a>
Students	<a href="https://bit.ly/STUDENTS-survey">https://bit.ly/STUDENTS-survey</a>	<p><b>QR Code</b></p> 



De La Salle University  
Taft Avenue, Manila

### ASSENT TO PARTICIPATE IN A RESEARCH STUDY

*Teachers' and Students' Experiences and Challenges in Learning: Pre, During and Post Pandemic*

We, the Project SYLLABI team, are faculty members of De La Salle University and are conducting a research study entitled, "Project SYLLABI: SYNthesis of Logical and Learning Algorithm-Based Information using Artificial Intelligence and Data Analytics for Flexible Learning Education". This is a three-year project of the Department of Science and Technology and the National Research Council of the Philippines. As part of the research process, we need to gather data from both the teachers' and students' lived experiences, challenges, and problems encountered in the last five years to determine the effectiveness of distance learning. With that, you are being invited to take part in this research because we feel that your experience as a teacher/student can contribute much to our understanding and knowledge of flexible learning in the country. The survey is divided into 7 sections and could be accomplished in 5-10 minutes through Google forms or pen-and-paper, whichever is more convenient.

- Section 1 - Teachers' or students' personal information
- Section 2 - Mode of teaching/learning
- Section 3 - Teachers' or students' experiences in distance teaching/learning
- Section 4 - Challenges Encountered in distance learning
- Section 5 - Teachers' or Students' Level of Satisfaction in distance teaching-learning
- Section 6 - Teachers' or Student's experiences in a face-to-face set-up
- Section 7 - Perspective in a hybrid learning set-up

Participation in this study is voluntary and will not earn any merit or sanction. Likewise, the participant has the right to corroborate data and the researcher's interpretation. He/she may ask to revisit the analysis if he/she thinks there are any misinterpretations in the analysis.

If the participant agrees to participate in the study and is a minor (17 years old and below), please accomplish the parental/ guardian consent and send it to your teacher as soon as possible. If the participant has AGREED and wishes to drop out of the study, please send us an email to remove the data from our analysis. If the participant does not accomplish the activity, he/she will be asked to proceed to the assigned task by the professor.

Rest assured that the data gathered will be treated with utmost confidentiality. Personal information will NEVER be shared with the public and will be analyzed only by the researchers involved. Final analysis, conclusions, and recommendations are planned to be presented in conferences and or journal publications to contribute to scientific knowledge.

If you have any questions or concerns, please contact me at [joanne.enlio@dlsu.edu.ph](mailto:joanne.enlio@dlsu.edu.ph)

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**CERTIFICATE OF CONSENT**

**By signing this form, I have read the foregoing information, or it has been read to me. I have had the opportunity to ask questions about it and any questions I have been asked have been answered to my satisfaction. I consent voluntarily to be a participant in this study**

\_\_\_\_\_  
Students' Name and Signature/ Date

I have accurately read out the information sheet to the potential participant, and to the best of my ability made sure that the participant understands that he/she will answer the survey questions thru google forms or pen-and-paper, whichever is more convenient.

I confirm that the participant was given an opportunity to ask questions about the study, and all the questions asked by the participant have been answered correctly and to the best of my ability. I confirm that the individual has not been coerced into giving consent, and the consent has been given freely and voluntarily.

If you decide to participate, and your parents agree, we'll give you a copy of this form for future reference.

\_\_\_\_\_  
Investigator's Name and Signature /Date

\*\*\*\*\*  
**ASSENT OF ADOLESCENT (17 years old and below)**

**By signing this form, I have read the foregoing information, or it has been read to me. I have had the opportunity to ask questions about it and any questions I have been asked have been answered to my satisfaction. I consent voluntarily to be a participant in this study**

\_\_\_\_\_  
Students' Name and Signature/ Date

\_\_\_\_\_  
Parent/Guardian's Name and Signature / Date

I have accurately read out the information sheet to the potential participant, and to the best of my ability made sure that the participant understands that he/she will answer the survey questions thru google forms or pen-and-paper, whichever is more convenient.

I confirm that the participant was given an opportunity to ask questions about the study, and all the questions asked by the participant have been answered correctly and to the best of my ability. I confirm that the individual has not been coerced into giving consent, and the consent has been given freely and voluntarily

If you decide to participate, and your parents agree, we'll give you a copy of this form for future reference.

\_\_\_\_\_  
Investigator's Name and Signature /Date



**Annex 4: Template for Monitoring Report**

<b>Governance level (RO/SDO)</b>	<b>Date of Data Gathering</b>	<b>Research Activities Conducted</b>	<b>Reported Feedback</b>
		<i>(Indicative research activities conducted such as KII and FGD and the number of participants)</i>	<i>(Discuss feedback of participants regarding the conduct of research activities, and challenges and difficulties encountered in facilitating the activity)</i>



De La Salle University  
Taft Avenue, Manila

January 25, 2024

**To: NOEL T. BALUYAN**  
Assistant Secretary of Administration  
Officer-in-Charge, Planning Service

**Attn: KARLA S. SIO**  
Chief, Policy Research and Development Division

Dear Sir Baluyan,

Greetings!

I am writing to respectfully request your endorsement of our research to allow our team to collect data from the DepEd teachers and students for our National Research Council of the Philippines (NRCP)-funded research project, "Project SYLLABI: SYnthesis of Logical and Learning Algorithm-Based Information using Artificial Intelligence and Data Analytics for Flexible Learning Education." The project's primary objective is to develop a pilot-scale Educational Management Information System (EMIS) that would serve as a platform to gather necessary information and data on important educational performance indicators. The platform would perform immediate feedback and analytics

on the effectiveness of the conduct of flexible learning concerning student performance. Likewise, we respectfully request the acquisition of pertinent data and standardized examination results of the students from pre-pandemic to the present. These data allow us to expand our data analysis and provide more meaningful results and conclusions. Through this endeavor, the project's results can be utilized to draft policies and recommendations for improving the delivery of flexible learning education to students, teachers, and other education stakeholders.

If approval is granted, volunteer DepEd teachers and students will complete a pen-and-paper questionnaire for pilot testing and an online survey for the final questionnaire through Google Forms in 10 - 15 minutes. Informed consent will be embedded in Google Forms to briefly discuss the purpose of the study and how the researchers will manage the data. Likewise, parental consent will be given and accomplished for students below 18.

Additionally, if approval is granted, we would like to request a copy of the following data (from SY 2017-2018 to SY 2024-2025) that are essential for data analysis and would significantly contribute to determining the effectiveness of flexible learning in the country.

1. National Achievement Test Results
2. Standardized Aptitude Test Results
3. List or number of students who were/are accepted, enrolled, graduated, promoted, dropped out, failed, retained
4. List or number of students with honors/ academic achievements
5. Policies implemented from 2017 to present (e.g., No Fail Policy)
6. National Career Assessment Examination (NCAE) Results
7. Table of Specifications (TOS)

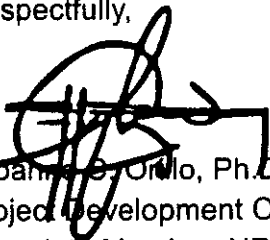
Rest assured that the data will be consolidated with care, and individual results will remain confidential and anonymous. Likewise, any publications resulting from this study will only include consolidated results.

As our way of reciprocating the efforts of the teacher participants, we will tap experts and offer various teacher training/webinars that could help them improve their research and teaching skills.

I highly believe that you support research undertakings like this to improve teaching and learning in the country and approve our request. Should you have any questions, please do not hesitate to contact me at any contact details below.

I am hoping for your kind consideration and positive response on this matter.

Respectfully,



Joanne E. Orillo, Ph.D

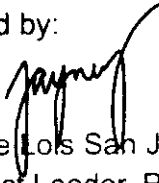
Project Development Officer, Project SYLLABI

Associate Member, NRCP Division I

Associate Professor Lecturer, Department of Physics, De La Salle University

[jhoanne.orillo@dlsu.edu.ph](mailto:jhoanne.orillo@dlsu.edu.ph) 0917-972-0670

Noted by:



Jayne Lois San Juan, Ph.D

Project Leader, Project SYLLABI

Regular Member, NRCP Division VII

Associate Professor, Department of Industrial & Systems Engineering, De La Salle University