

**John B. Lacson Foundation Maritime University (Arevalo), Inc.**  
Sto. Niño Sur, Arevalo, Iloilo City

**Research Utilization**  
SY: 2018-2019

Title of the Study & Authors	Findings	Recommendations	Department Concerned	Action to Take	Results/Impact/Evidence
<p><b>1. Students' Performance in Classroom Diagnostic Test (CDT)</b></p> <p>Dr. Brian Gil S. Sarinas</p>	<p>The results revealed that initially, Polaris students had "Failed or Poor" diagnostic test in Research. On the other hand, results in the posttest revealed that they got a "Very Good" performance in Research. No significant differences were observed in the mean scores of topics during pretest and posttest between Polaris 3A and Polaris 3B students. Furthermore, both sections performed well in Research as evidenced by their significant differences in their pretest and posttest scores. However, students from section Polaris 3B performed better in Research than those from Polaris 3A and that can be gleaned through their significant differences in posttest score and mean gain.</p>	<p>1. This study recommends that other Research teachers must also use CDT in Research and other courses among sections. In this manner, teaching difficulties encountered in Research by the students will be remedied before the end of the semester or class.</p> <p>2. In addition, instructors and researchers must determine the poor or weak topics in Research from their posttest to develop an appropriate interventions such as peer mentoring, remedial class, mentoring the mentors, suggest change of the number of hours in the Instructor's Guide (IG) in a particular lesson, and the like before the end of the semester or class.</p>	<p>BSMT and SHS</p>	<p>BSMT Dean: Instructors teaching research should conduct CDT to all sections taking research under them for SY: 2019-2020</p> <p>SHS Principal: All SHS subject teachers be required to prepare and administer CDT</p>	<p>Least learned areas as shown in the pretest can be given more emphasis by the teacher during actual instruction this will determine the difference of the pretest and post test results and develop the appropriate intervention to come up with a good result.</p> <p>Least learned areas as shown in the pretest can be given more emphasis by the teacher during actual instruction this will result to a big positive gap between pre-test and post test results</p>

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<p><b>2. Education and Competitiveness: How JBLFMU-Arevalo Students Perceived Their 21<sup>st</sup> Century Learning Skills</b></p> <p>Dr. Brian Gil S. Sarinas</p>	<p>The results revealed that the level of 21<sup>st</sup> century learning skills was “High” when taken as an entire group among the six skills such as Personal and Social Responsibility, Communication, Critical Thinking, Making Decision in Everyday Life, Solving Problems, and Assessing Teamwork which means that the skills are evident and often practiced but not always in many situations. Meanwhile, a different indicator was presented in each skill. The top three highest skills were also presented in each major skill. Furthermore, there was no significant difference in the perceived 21<sup>st</sup> century learning skills of students when classified according to level. This might be attributed to family orientation, exposure to school activities, peer influence, social media, and others. Constant positive behavior is required in order to attain these skills with the intervention of family, school, and community.</p>	<p>Since the 21<sup>st</sup> century learning skills of maritime students are high then it is recommended to sustain them. Constant positive behavior is required in order to attain them with the intervention of family, school, and community.</p>	<p>SHS and BSMT</p>	<p>SHS Principal: Development of the 21<sup>st</sup> century learning skills be constantly given emphasis in student activities</p> <p>BSMT Dean: Development of the 21<sup>st</sup> century learning skills be constantly given emphasis in student activities</p>	<p>This will result to better quality graduates of the school</p> <p>This will enhance the student to be more competitive in their chosen career.</p>

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<p><b>3. Monthly Performance of JBL Cadets: Over-all Performance, Attitude or Willingness to Learn, English Communication, Safety Consciousness, and Teamwork</b></p> <p>Dr. Brian Gil S. Sarinas</p>	<p>Results revealed that cadets were described as having “successful performance”. This means that cadets successfully deliver the expected results, perform consistently, meet the expectations of the position, and proactively seek to improve performance. Moreover, no significant differences were observed in the cadets’ performance when classified according to department and throughout the observation period of 11 months when classified according to department.</p>	<p>1. It is recommended that John B. Lacson Foundation Maritime University should exert more efforts to mold its students physically, mentally, and socially because these are the areas evaluated by a certain company for deployment. This can be done by exposing students to value-laden seminars and workshops, encouraging students to understand the value of English language for communication enhancement, inculcating safety practices in school and at home, and promoting group work to students such as cooperative learning, group dynamics, small group discussions, and many more.</p> <p>2. Students should be trained to be proactive and should be encouraged in joining school activities that will provide them with soft skills such as social skills, communication skills, character traits, attitudes, career attributes, social intelligence, emotional intelligence quotients, and many others.</p>	<p>BSMT, SHS, and SAS</p>	<p>BSMT Dean: Considering the result “successful performance” activities and programs leading to a successful result should be carried over to the new batches of students and present them as role model.</p> <p>SHS Principal: Teachers should be very good examples. Efforts should be maximized to make students use English as a medium of communication</p>	<p>Promoting proper communication skill will prepare the student to face the communication gap between different nationality while they are on board or other country</p> <p>Students showing positively improved behaviour and good communicators using the English language</p>

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<p><b>4. Students' Skills on the Use of Electronic Chart Display and Information System (ECDIS)</b></p> <p>2/M Louie Lloyd G. Lamprea</p> <p>Mr. Alan B. Allin</p>	<p>The results revealed that the level of skills in using ECDIS in terms of accuracy, execution, and monitoring is "Very High" when taken as an entire group. As to section, Polaris 3A had the highest mean described as "Very High" level of skills in using ECDIS in terms of accuracy, execution, and monitoring as compared to other sections. On the other hand, sections Cutter, Galleon, and Cirrus got the least mean but had a "High" level of skills in using ECDIS in terms of accuracy, execution, and monitoring. Furthermore, there were significant differences observed in accuracy, execution, and monitoring among the students. Post hoc showed that Polaris 3A students performed better than other sections in using ECDIS. This is a good indicator for the Laboratory and BSMT Departments and the University as a whole.</p>	<p>1. Sections Cutter, Galleon, and Cirrus have "High" level of skills in using ECDIS. Even though these scores are already in the passing range, these will be more remarkable if they can be improved furthermore. These assessments are all computer-based; thus constant, frequent, and guided usage of the laboratories can further improve students' performances.</p> <p>2. Instructors should be very strict in terms of attendance and computer utilization. Students who don't usually use the computers tend to have low scores because most of them just enter the laboratory for the sake of attendance only. In the event of assessment, these students will probably get low score because they do not know what to do.</p> <p>3. Students who are not performing well are assigned to strict and better instructors. It is a fact that there are really existing instructors who are laxed and don't care much about the welfare of the students.</p>	<p>BSMT</p>	<p>All students were given the same time and schedule in the use of simulator.</p> <p>Resit and remedial classes were scheduled for those who failed to pass and failed to take in their scheduled assessments.</p> <p>Students were not created of the same intellectual capacity so they should be treated in their respective level.</p>	<p>Learning the skill in using the simulator will sharpen the student's ability to comprehend the instruction and requirements in the use of the actual electronic navigational equipment on board</p>

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<p><b>5. Physics Concepts: Its Integration to Trim and Stability</b></p> <p>Engr. Danilo A. Gerawa, Ph. D.</p> <p>Capt. Bonifacio Jr. L. Gerochi</p> <p>C/M Nelson S. Ebiota</p>	<p>Results revealed that there were six concepts in Physics that are applicable in ship's Trim and Stability and these were Physics Concepts and Measurement, Newton's Laws of Motion, Moment of Force or Torque, Fluids at Rest (Density and Specific Gravity), Archimedes Principle or Laws of Floatation, and Hydrostatic Pressure. Moreover, the template of the instructional material followed the Outcomes-based Education (OBE) format developed by the school. The material that was developed was in module format comprising the Learning Objectives, Learning Exercises, and Comprehension Check-up. As to content, the material deals with the six topics in Physics with Trim and Stability. In addition, a comprehensive assessment was provided at the end of each topic.</p>	<p>Other phases of the ADDIE must be continued by the next researchers such as the Developmental Phase (pilot test of the material among Senior High School Grade 12 students for the first semester of school year 2018-2019 to elicit students' reactions, difficulties encountered, and recommendations for improvement of the instructional materials), as well as the Implementation and Evaluation Phases.</p>	<p>SHS</p>	<p>To pilot test of the material among Senior High School Grade 12 students for the first semester of school year 2018-2019 to elicit students' reactions, difficulties encountered, and recommendations for improvement of the instructional materials), as well as the Implementation and Evaluation Phases.</p>	<p>Results are to be evaluated by the researchers</p>

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<p><b>6. The Socio-economic Profile of the Less-Privileged Families in Sto. Nino Sur, Arevalo, Iloilo City</b></p> <p>Dr. Shirley G. Hampac</p>	<p>The results of the study revealed that the majority of the respondents were female, married, had attained college education, and their family income ranged from below P5,000.00 to P10,000.00. The majority had three to six family members, owned a house, and had their own bathrooms or toilets at home. Most of them had a microbusiness or a <i>sari-sari</i> store as their bread and butter as they hoped to engage in fishing and other small business for extra income. The livelihood skills they can performed included carpentry, cosmetology and culinary arts. Community concerns which affect them were categorized as economic, environmental, educational and health-related to which they suggested projects and activities to address them.</p>	<ol style="list-style-type: none"> <li>1. More livelihood opportunities, training and projects should be given to the respondents.</li> <li>2. Women in reproductive age should be provided with appropriate family planning methods to minimize number of children.</li> <li>3. Further studies should be undertaken to determine hygienic practices of families without bathrooms or toilet.</li> <li>4. Families without toilets should be identified for appropriate assistance from the local government or non-government organizations.</li> <li>5. Tap government agencies which can provide financial capital for those who wish to engage in microbusiness and for those who would like to go into fishing.</li> <li>6. Come up with a directory of skilled workers to be linked with some industries who may need them.</li> <li>7. JA-CES program should look into the suggested programs/services and activities to address the identified concerns of the respondents.</li> </ol>	<p>CES</p>	<p>CES thrust on livelihood should be prioritized.</p> <p>NA (c/o BHWS)</p> <p>To identify these concerned families through the BHW's</p> <p>These families are already linked with DOLE which can provide financial assistance through loan</p> <p>To identify skilled workers through the barangay officials</p>	<p>There are 3 livelihood projects in the community which are sustained. These include sewing project, dishwashing liquid production and the massage training for men and women.</p> <p>The barangay health workers are regularly giving lectures for reproductive women on family planning</p> <p>A study related to hygienic practices will be conducted next school year 2019-2020.</p> <p>Families were already identified. The barangay has already a proposed plan to provide communal toilets for these families.</p> <p>The fisherfolks association has been linked to the BFAR and other fisherfolks groups. Thus, many of them have been recipients of free fishing boats/banca.</p> <p>The listing is still underway.</p> <p>The activities planned by CES were all addressing the prioritized area of the community.</p>

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<p><b>7. Outcomes-Based Education through Strategic Teaching Enrichment Project (STEP) in a Maritime University: An Initial Evaluation</b></p> <p>Dr. Geneva M. Eler</p>	<p>Result showed a “Very Satisfactory” level of satisfaction of the faculty members towards the seminar-workshops. After the seminar-workshops, there was an increase in the results of the level of knowledge of the faculty towards the seminar-workshops. Majority of the results showed a “High” to “Very High” level of knowledge in which the faculty members knew almost everything about the topic.</p>	<p>It is recommended that the FDP of the university be sustained. The OBE-STEP project be also sustained to further strengthen the teaching capabilities of the faculty. In addition, faculty members will be enriched with new trends in teaching and updates in teaching pedagogies. Another research is recommended to fully complete the application of the Kirkpatrick’s Four Levels of Training Evaluation wherein peers and students will take part in the evaluation process.</p>	<p>BSMT, HR, and GS</p>	<p>BSMT Dean: FDP and OBE-STEP should be sustained as per recommendation to further strengthen the teaching capabilities of the faculty</p> <p>HR: Included in the Training Plan and Academics AOP for SY 2018-2019</p> <p>GS Dean: A follow up research will still be conducted to complete the 4 levels of Kirkpatrick’s Level of Training</p>	<p>A well trained instructor in the appropriate way in the delivery of knowledge and skill to the student will develop and produce good students armed with confidence to face the real world of job seeking.</p> <p>GS Dean: Preparation of the follow research is still on process.</p>

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<p><b>8. The Effect of Closed Gate Policy on the Dropout Rates Among Senior High School Students</b></p> <p>Mrs. Cherry Y. Jardenil</p> <p>2/M Aldin L. Turija</p> <p>2/M Loren Steve G. Glumalid</p>	<p>Results revealed a decrease in the dropout rates after the implementation of the policy. Opposite to the result shows an increase in the number of passed students from their subjects.</p> <p>Furthermore, there was significant relationship in the dropout Grade 11 SHS students before and after the implementation of the closed gate policy. This implies that closed gate policy is an effective intervention to reduce dropout rates.</p>	<ol style="list-style-type: none"> <li>1. Closed gate policy in SHS as a tool to prevent and/or minimize the dropout rates must be continued.</li> <li>2. Other measures must be considered to prevent and/or minimize the dropout rates in SHS. In this manner, dropout students in SHS will be lessened and teachers will not have difficulties in determining and computing grades every end of the semester.</li> <li>3. Reasons for skipping, absenteeism, or dropping out must be determined.</li> </ol>	<p>SHS</p>	<p>Implementation of the policy should be sustained by everybody in the school. Security guards be given info every time there are activities in order to guide them in their implementation. Teachers should exert effort to make their classes interesting so that students will be enjoy to come back to the classroom.</p>	<p>Better grades. Improved and higher percentage of passing.</p>



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<p><b>9. Employees' Research Capabilities</b></p> <p>Dr. Roderick R. Germo</p> <p>Dr. Brian Gil S. Sarinas</p> <p>Mrs. Cristy H. Cangrejo</p>	<p>Results revealed that the top three highest research capabilities of employees when taken as an entire group were organizing the data gathered, identifying respondents, and distributing questionnaires while their least three research capabilities were conducting reliability test of the constructed questionnaire, searching for appropriate theory (if applicable), and identifying how gap in the literature has been addressed. Furthermore, the level of research capabilities of employees of JBLFMU-Arevalo when taken as an entire group was "Slightly High". This means that employees have satisfactory skills and capabilities in research.</p>	<p>1. The administration should conduct necessary seminars, writeshops or trainings or any enhancement program to the faculty and staff in order to strengthen their research capabilities and to equip with more advanced skills in conducting research.</p> <p>2. Faculty with equipped knowledge in doing research should mentor faculty members, staff, and researchers to become proficient researchers.</p>	<p>Research and HR</p>	<p>Research: Conduct Trainings on Action, Feasibility, Applied, and Developmental Research Designs</p> <p>HR: To assist the Research Office in the conduct of trainings identified</p>	<p>Increase in the number of developmental research</p>

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<p><b>10. Level of Knowledge on Rights, Gender Equality, Anti-VAWC Law, and on Ecological Solid Waste Management: Their Perceived Influence at Home and in the Wider Community Among the 4 P's (Pantawid Familyang Pilipino Program) Women of Arevalo, Iloilo City</b></p> <p>Dr. Roderick R. Germo</p> <p>Dr. Shirley G. Hampac</p> <p>D/C Angelo F. Casanare</p>	<p>Results revealed that the level of knowledge of 4 Ps women on gender rights were all “extremely knowledgeable” when taken as an entire group and when classified according to age and number of children. Conclusive to the results, the 4 Ps Ilonggo women are “Extremely Knowledgeable” on their rights, gender equality, and on the Ecological Solid Waste Management Act of 2000. However, they were “Moderately Knowledgeable” on Anti-VAWC Law or Act of 2004. This means that their rights, equality among men, and the provisions of the Ecological Solid Waste Management Act of 2000 in the community are always observed and practiced. On the other hand, they often observed and practiced their rights on Anti-VAWC Act of 2004.</p>	<ol style="list-style-type: none"> <li>1. The Local Government Unit (LGU) should check the level of knowledge and practice of the rights of women in their respective communities. Furthermore, it is highly recommended to advocate information campaigns especially to those who have high incidence of women and children abuse.</li> <li>2. A close monitoring of the practice of SWM for communities especially on the use of composting and proper waste segregation and disposal.</li> <li>3. A material or guide will be given to the residents by the LGU as an information dissemination on the rights, gender equality, Anti-VAWC, and SWM during assemblies or important community events which the majority participates.</li> </ol>	<p>HR and CES</p>	<p>HR: Assist the CES Office in the preparation of printed materials to be given to the adopted communities</p> <p>CES: A copy of the results of this study will be forwarded to the barangay officials.</p> <p>A copy of the results of this study will be forwarded to the barangay officials.</p> <p>CES will link with the LGU of Iloilo City to access copy of the VAWC IEC material</p>	<p>Issues on women and children’s abuse have been addressed by the barangay council.</p> <p>Copy of the results of the study</p> <p>Because of the close monitoring by the barangay on proper waste management, the garbage truck comes to the area for collection more frequently than before.</p> <p>A lecture on Child’s rights was already conducted in school for the children assisted by JA. This month of February, IEC materials on environment will be distributed. IEC on VAWC will be distributed in March.</p>

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<p><b>11. The Level of Influence of the John B. Lacson Foundation Maritime University-Arevalo Community Extension Services Programs among Sto. Niño Sur Community Partners</b></p> <p>Joshua Bernardo Emmanuel Cris Fatagani Dave Guillen Alejandro Marfil Jr. Leo Pumarin Nikko Espino Cierboy Focbit Rasty Jablo Jr. Fort Lawrence Pelaez Michael Bryan Taysa</p>	<p>The results revealed that the level of influence of the educational program among community partners as an entire group was generally marked very high and it was noted that the program continually inspires the assisted children to dream bigger. The very high influence was also true with the environmental program. On the other hand, the livelihood program was generally rated high by the respondents and made a strong impact in establishing social relations among community members.</p>	<p>1. There is a need to continue the education, livelihood and environment programs of the JA-CES among the target community partners.</p> <p>2. More livelihood opportunities should be implemented to make sure these will provide the target community partners additional family income.</p> <p>3. More sectors should be involved during the clean-up drive so that more people will be educated on environment.</p> <p>4. A qualitative study should be done to deepen the results of this investigation, Specifically by looking into the reasons why some community partners are no longer active in the livelihood program. Other thrusts such as in health, safety and values must also be included.</p> <p>5. The copy of the results should be given to the barangay captain where the programs have been implemented.</p>	<p>CES</p>	<p>The CES thrusts covering these areas should be sustained.</p> <p>The CES thrust on livelihood will be given priority</p> <p>To continue the CES practice of involving different sectors in the community during the coastal clean-up.</p> <p>A qualitative study on the “Adopt- a-Linis-Estero “ project will be the next research engagement of CES</p>	<p>The projects on education environment, and livelihood are among the prioritized areas and therefore are being sustained.</p> <p>CES thrust on livelihood</p> <p>The members of the PCGA have already been involved as additional sector in the clean -up drive.</p> <p>CES will link with the students who are conducting research for them to consider this recommended qualitative study. This way, the previous study will be given a deeper insight.</p>

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<p><b>12. Alumni Tracer, Employability, and Their Level of Satisfaction on the Contribution of JBLFMU-Arevalo</b></p> <p>Nico John M. Enarsao</p> <p>Lloyd Ollen Q. Rodriguez</p> <p>Darwin A. Saclote</p> <p>Rocky John T. Tacsagon</p> <p>Lej Joseph T. Tamon</p>	<p>Result showed that there were 1,099 or 84% alumni respondents came from the year 2002 to 2017 and most age of the alumni range between 19 to 29 years old or 67% with a total of 879 respondents which comprises of Deck Cadets who lived within the Province of Iloilo. Most shipping companies of the alumni came from Marlow Navigation with a total of 57 respondents. In addition, the level of employment of the alumni was very high and most of them were employed with a total of 1,164 respondents or 89%. Furthermore, data analysis revealed that the alumni level of satisfaction was “High” with a grand mean of 7.77 which means they were highly satisfied on the contribution of JBLFMU-Arevalo. The comments of the alumni respondents were classified to the following themes: First, upgrading the facilities especially the navigational equipment, trainings and other programs of the institution to enhance the competencies of students before they embark.</p>	<p>1. The researchers recommend that another follow-up and similar study to be conducted to further validate the profile of alumni of JBLFMU - Arevalo. It is also recommended that researches regarding the employability and level of satisfaction should be conducted. Also, it is more recommended to use an electronic questionnaire to be filled up by the alumni by the use of internet and to update it for some changes that may occur for the easy access for future researches.</p> <p>2. Furthermore, another study should be conducted to motivate ratings to upgrade their rank. The university should also include and enhance soft skills in order for the students to become competent both as a person and towards their profession.</p>	<p>Alumni Coordinator</p>	<p>The output which is the <i>Alumni Tracer</i> will be used as a baseline data and will updated yearly</p>	<p>It will be easy to look for a speaker and/or lecturer</p>

	Second, maintain the core values for the betterment of the students and alumni in their future career. Third, enhance the competency of the school and instructors. Fourth, improve the services to the alumni and/or students.				
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