

## Perceived Impact of Polytechnic University of the Philippines Lopez Quezon Branch and Its Programs in the Community

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### Abstract

Polytechnic University of the Philippines (PUP), Lopez Quezon Branch is one of the pioneers of the 22 branches and satellite campuses of PUP System. It is in the community for more than 4 decades and believed to have contributed a significant impact to the community. Specifically, this study aimed to determine the impact of PUP Lopez and its programs in the community in terms of honing and producing graduates which contributed to the society. The research utilized descriptive research design with 1320 respondents including students, parents, alumni and other community stakeholders. Non-probability sampling through convenience and snowball sampling techniques were used. Based on the respondent's perception, respondents strongly agreed that PUP Lopez has an impact on the community since it continuously provides quality education with minimal expenses; brings tertiary education closer to the rural people and; provide an opportunity to the students to develop their skills, find a job and realize their dream. In terms of the impact of the different programs, it showed that respondents also strongly agreed with their impact on the community. Thus, continuous offering of its programs is highly recommended.

This study assessed the impact of PUP Lopez and its programs in the community, thus would be a possible basis of the program enhancement, retention or even modification.

**Keywords:** Bachelor's Degree Programs, community, impact, Higher Education Institutions (HEIs), stakeholders

### Introduction

Higher Education Institutions (HEIs) play a great role in the community by educating students and prepare them for their future vocations and role in the society. In the Philippines, higher education institutions are also known as tertiary institutions and are licensed, controlled and supervised by Commission on Higher Education (CHED).

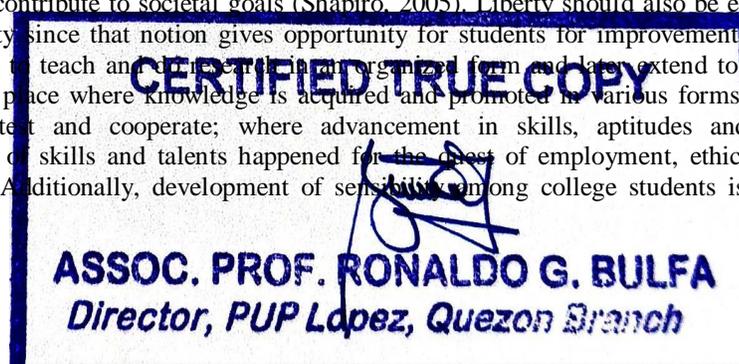
Polytechnic University of the Philippines (PUP) is a chartered government institution in the Philippines governed by Republic Act Number 8292 known as the Higher Education Modernization Act of 1997, and its Implementing Rules and Regulations contained in the Commission on Higher Education Memorandum Circular No. 4, series 1997. PUP is one of the country's highly competent educational institutions. It is a non-sectarian, non-profit institution of higher learning primarily tasked with harnessing the tremendous human resources potential of the nation by improving the physical, intellectual and material well-being of the individual through higher occupational, technical and professional instruction and training in the applied arts and sciences related to the fields of commerce, business administration, and technology. Its primary task is to harness the tremendous human resources potential of the nation by improving the physical, intellectual and material well-being of the individual through higher occupational, technical and professional instruction and training in the applied arts and sciences related to the fields of commerce, business administration, and technology ([www.pup.edu.ph](http://www.pup.edu.ph)). The University promotes applied research, advanced studies and progressive leadership. Furthermore, the University takes steps to enrich the academic program in other fields of study and adopts a polytechnic program of education designed to provide the individual with employable skills and managerial know-how to make them creative, productive and self-reliant ([www.pup.edu.ph](http://www.pup.edu.ph)).

PUP has 20 branches and satellite campuses and one of the branches in Southern Quezon is PUP Lopez, a home for more than a thousand students residing in nearby towns and municipalities and serving the community for 42 long years. At present, PUP Lopez offers 17 programs which include 12 Bachelor's Degree Programs and 5 Diploma Courses. PUP become a competitive school in the community which offers programs and services design to suit the needs of the community. With PUP Lopez continuous' stay and legacy in the community, this study aimed to determine its impact, together with its programs in the community. Specifically, this aimed to understand the contribution of each curricular programs and how the graduates from each defined their role in the society.

### Review of Related Literature

#### Purpose of Higher Education Institutions (HEIs)

Higher education includes colleges and universities and other professional schools that ready the students to go aboard and be of service to labor force. Generally, the purpose of HEIs is the inculcation of education to develop the individual intellectual social development (Mokyr, 2002). Moreover, HEIs should be of public service and integrate social responsibility to meet and contribute to societal goals (Shapiro, 2005). Liberty should also be exercised and promoted along with responsibility since that notion gives opportunity for students for improvement (Bo, 2009). Furthermore, the main purpose is to teach and learn in an organized form and last extend to community. Higher Education Institution is a place where knowledge is acquired and promoted in various forms. It is also a place morality and money context and cooperate; where advancement in skills, aptitudes and leadership synchronize and where utilization of skills and talents happened for the quest of employment, ethics and social responsibility (Thompson, 2014). Additionally, development of sensitivity among college students is one of the



purpose of higher education. Where, one should be accustomed to other people, sensitive to the community and able to fit and act in a variety of social situations (Arum and Roksa, 2014). Expansion of intercultural communication skills is also taught which is an edge on applying for employment abroad. Also, Thompson Jr. (2014) stated that one of the purposes of higher education is to make students to be fruitfully involve in racial, spiritual and community concerns.

### **Role of HEIs in the Individual and the Community**

In shaping the future of the society, Higher Education Institutions (HEIs) have very important roles. It has been said that an excellent higher education system could contribute significantly on the society's ability to jive globally, boost economy, social well-being and position as leaders (Teague, 2015). Generally, attendance to HEIs could create a path to financial and economic security, personal and professional development, leadership prospects and a promise of a brighter future (Hout, 2012; Baum and Payea, 2005). His/her degree could really lead anyone to improve his/her position in society. However, attendance to HEIs does not only benefit the student but the community as well. It is well believed that large amount of money should be invested in educational institutions because of the theory that society largely benefits from the educated citizens (Mirowski and Ross, 2003). Assumptions are college graduates landed in a better job and earn more money, thus, living in a more stable life (Houte, 2012). Since they are living in a fast pace and busy life, they commit fewer crimes (Houte, 2012) and mostly participative in civic activities and politics (Putnam, 2000). Gaining college education have also been found to contribute to increase in the society's political participation and engagement particularly democratic exchange of ideas and opinions (Hilygus, 2005). Moreover, the community especially the taxpayers directly and indirectly benefits from the graduates of HEIs. For the graduates of HEIs, they benefit directly since it has been shown that graduates of college obtained higher earnings than those who did not graduate, thus contributed more tax revenues to society. They are also believed to be less dependent to social amelioration programs, thus, contributed to higher public budgets. In terms of contribution to the environment and personal health, college graduates seem to be more aware on personal health and less likely to smoke and incarcerated. Community involvements such as volunteerism, blood donation and civic work are also more evident in college graduates than in non-graduates.

Each HEI and its community where it belongs is different from one another and for them to have a long-term positive impact on the community, the strategy is to have an approach and purpose that should be befitting to all (Robinson, 2021). Specifically, all HEIs should have a clear vision and strategy which emphasizes shared values and leadership which could make a difference. The strategy is to set the interrelationship between community engagement activity and the scholastic and research goals of the HEI. It should be noted that HEIs work as the employers, thus have a big impact on local communities, so working policies such as societal value purchasing, real living wage qualification, net zero policies and support for volunteerism could have a huge impact. She also reiterated the need for the HEI have an awareness of the locale where it belongs and the communities in it. There should also be a quadruple helix where collaboration among HEIs, government, industry and the community prevail. With this scenario, it will create an opportunity to create a mutual vision and language that could provide a tangible change in the community. Engaging the community will lead to common strategies and plans and in the process will build the trust which is one of the essential factors for the success of the HEI. Student experience in HEIs also contribute to its success. Most of the students come from different places and they expect that HEI will give them opportunities to be engaged in the industry and the community which will enhance their transferable skills and employability. Impact on them would also be visible if the HEI is committed to social and environmental justice. In all of the above-mentioned role of HEIs, the first thing to do is to create internal capacity, systems and processes that will enhance the internal culture with capability and capacity for it to be smoothly transferred in the community. A culture of engagement as one of the core values which will be part of the HEI's mission to make the society benefits.

### **Methodology**

This study utilized descriptive research method designed to gather information from the PUP Lopez stakeholders on their perception on the impact of PUP Lopez and its programs in the community. Non-probability sampling through convenience and snowball sampling techniques were used.

The researchers surveyed 1320 stakeholders from the community coming from different municipalities and even nearby provinces such as Laguna and Camarines Norte. Seven hundred sixty (769) of the respondents were students, 281 were alumni, 212 were parents, 20 were community members, 6 were brgy officials, 2 were head of agency and 21 were other stakeholders. All respondents were considered regardless of their age and sex. Their age ranged from 16 – 65 yrs old and most of them were female (66.5%). The researchers formulated the instrument for the study. It went through several revisions and validated by experts. It was pre-tested by 30 respondents and subjected to Cronbach's alpha reliability test with 0.905 alpha coefficient result. The survey instrument was divided into 4 parts. The first part was the respondent's profile. The 2<sup>nd</sup> part was about how the respondents have known PUP Lopez; 3<sup>rd</sup> part was the perceived impact of its programs in the community and 4<sup>th</sup> part contains statements on the perceived impact of PUP Lopez on the community. For the 3<sup>rd</sup> and 4<sup>th</sup> parts, a five (5) point Likert scale was used to measure the agreement or disagreement of the respondents' answer to different statements. The gathered data were computed and analyzed using Frequency and Percentage and Weighted Mean.

### **Results and Discussion**

#### **I. Knowledge of PUP Lopez**

Respondents were asked if they have known PUP Lopez as a University (Table 1) and only 2 of the respondents said No who are classified as other stakeholders and community member. 1318 of the respondents said that they have known PUP Lopez. Of those who said yes, 2.7% of them have known PUP Lopez for less than a year (Fig 1); 50.7% said that they have known PUP Lopez from 1-10 years; 19.1% said that they have

known PUP Lopez for 11-20 years; 8.1% said 21-30 years; 4.1% said 31-40 years and; 1.4% said 41-50 years. The large percentage of respondents who have known PUP Lopez were due to the large number of students and alumni in PUP Lopez. The knowledge of the community on PUP clearly shows that the institution is somewhat engaged and known in the community. Its presence is felt. As Robinson (2021) stated, for a university to be felt in the society, internal capacity, systems and processes have been arranged.

Table 1. Knowledge of the Community on PUP Lopez as a University

	Frequency	Percent
<b>Yes</b>	1318	99.85%
<b>No</b>	2	0.15%

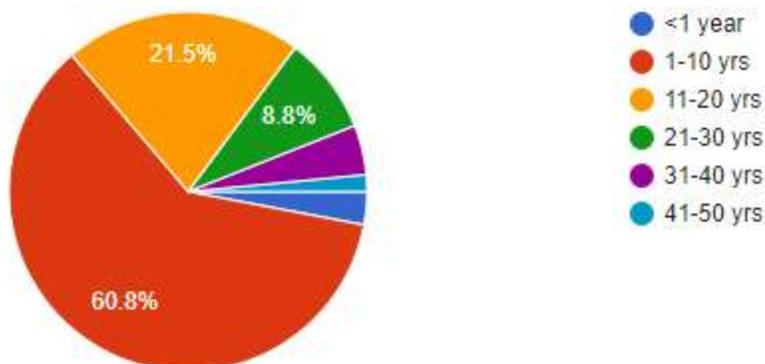


Figure 1. Number of years of community's knowledge on PUP Lopez

## II. Impact of PUP Lopez in the Community

All the impact statements of PUP Lopez in the community were strongly agreed by the respondents (Table 2). Among the impact statements given, they were most strongly agreed with the statement that PUP Lopez helped them to realize their dream of studying in College because of its low tuition fee. While, the statement which said that PUP Lopez provided them with an opportunity to enhance their skills in dancing, cooking, singing, acting, sports, etc. because of the inclusion in some practical courses offered and also because of the co-curricular activities got the lowest mean though, it was still strongly agreed by the respondents.

Table 2. Perceived impact of PUP Lopez in the community

Statement	Mean	Standard Deviation
1. PUP Lopez helped me/their realize my/their dream to study in College because of its low tuition fee with quality education.	4.79 (Strongly agree)	0.58
2. I/We am/are so grateful to PUP Lopez for bringing college education in the community/locality and made it easier for me/my children/relatives since I/we do not need to travel to other places just to have a college degree	4.78 (Strongly agree)	0.61
3. PUP Lopez helped me/my children/my relatives to get a job/have an employment and earn an income	4.61 (Strongly agree)	0.74
4. PUP Lopez helped me/my children/my relatives to learn many things not only in the theoretical aspects but also molded me to become practical and street smart	4.67 (Strongly agree)	0.68
5. PUP Lopez helped me to establish connections and friendship with people in different aspects of life	4.61 (Strongly agree)	0.71
6. PUP Lopez led me/my children/relatives to the right	4.67 (Strongly agree)	0.65

direction through moral values imposition.		
7. PUP Lopez provided me/my children/relatives with an opportunity to enhance my/their skills in dancing, cooking, singing, acting, sports, etc. because of the inclusion in some practical courses offered and also because of the co-curricular activities	4.53 (Strongly agree)	0.76
8. PUP Lopez constantly produces board topnotchers, Professional Teachers, Civil and Electrical Engineers, Architects, Licensed agriculturists and Agribusiness Managers, Certified Public Accountants, Court Stenographers, Office Administrators, Business Administrators, Hoteliers, Hospitality Managers, Public Administrators and Entrepreneurs that contribute to economic growth and nation building.	4.74 (Strongly agree)	0.61

The approval and agreement of the community on PUP Lopez impact could be attributed to the fact that that higher education institutions contribute to local employment and economic growth (Apatov and Grind, 2017). Moreover, HEIs are part of the growing market which centers on the people and the communities. They become growing partners in different projects and HEIs is a service provider assessing the needs of the community and help them provide what they need (Leliugiene and Barsauskiene, 2003). Clearly, PUP Lopez provided engagement to the community. The public service is impactful and not self-serving. The institution provided opportunity for students for self-improvement. Thus, the presence of PUP Lopez is really felt in the community.

### III. Impact of the Degree Programs of PUP in the Community

In terms of the programs which perceived to have an impact on the community (Table 3), it shows that Bachelor of Science in Agribusiness Management got the highest percentage since majority of the alumni, students, parents and other stakeholders chose it as one of the programs with impact as well as Bachelor of Science in Civil Engineering, Bachelor of Secondary Education, and Bachelor of Science in Electrical Engineering. While, programs which perceived to had the lowest impact was BS Architecture. This might be because the program is still not yet well known in the Community and no graduates yet.

Table 3. Programs which have an impact to the community as perceived by the respondents

Criteria	Degree Programs										
	BPA	BSA	BSArchi	BSAME	BSBA	BSCE	BSED	BSEE	BSIT	BSHM	BSOA
With impact	47.1%	50.5%	40%	66.4%	50.8%	63.1%	65.8%	55.6%	48.2%	41%	47%
No impact	52.9%	49.5%	58%	33.6%	49.2%	36.9%	34.2%	44.4%	51.8%	59%	53%

Business programs tend to have a larger impact in the community since these produces entrepreneurs that create jobs in the community (Davis, 2019). Moreover, these business programs providesignificant experience to students and keep social impact at their core since they provide opportunities to involve students with hands-on learning experiences that is eventually transferred to the community (De Novellis, 2021).

Various programs are offered in PUP and each have its own attributed which created an impact to the community. Table 4 shows the perceived impact of the various degree programs in PUP Lopez and most of the respondents strongly agreed withall the impact statements of each program. Thus, could mean that all programs in PUP Lopez have an impact on the community as perceived by the respondents.

Table 4. Perceived impact of Degree Programs of PUP Lopez in the community

Statement	Mean	SD
<b>Impact of Bachelor in Public Administration</b>		
1. BPA program helps increase public awareness of national laws and municipal ordinances	4.93 (Strongly agree)	0.26
2. BPA helps different sector and	4.82	0.48

agencies to conform to new rules, regulations and laws as created by local and national govt	(Strongly agree)	
3. As a student, BPA molded me to dream to become the best public servant that will help develop the community	4.83 (Strongly agree)	0.48
4. BPA graduates from PUP Lopez contributed much to the workforce of public servants and an asset to the institution/office because of their hardwork, commitment and dedication.	4.80 (Strongly agree)	0.53
<b>Impact of Bachelor of Secondary Education (Mathematics)</b>		
1. BSEd (Math) program of PUP Lopez through the students and teachers help the community especially the children to learn and appreciate education and Mathematics.	4.75 (Strongly agree)	0.54
2. The BSEd Math Program gave us enough learnings not only in Mathematics but also in general aspects of education.	4.68 (Strongly agree)	0.65
3. BSEd Math honed the student's analytical skills and the ability to work in a problem solving environment.	4.47 (Strongly agree)	0.74
4. BSED (Math) Program produced graduates and Licensed Professional Teachers who are assets of the school/institution they serve because of their dedication, commitment and hardwork	4.59 (Strongly agree)	0.67
<b>Impact of Bachelor of Science in Accountancy</b>		
1. BSA helped improve the financial literacy of teens, parents, and business owners in the community.	4.68 (Strongly agree)	0.64
2. BSA helps the offices/institutions/agencies to handle corporate finances and money by recording it properly.	4.75 (Strongly agree)	0.47
3. BSA helps the community through info dissemination on tax rules and regulations in a very understandable way.	4.80 (Strongly agree)	0.45
4. BSA produced graduates and certified public accountant who are assets of the institution/company because of hardwork, commitment and dedication.	4.86 (Strongly agree)	0.37
<b>Impact of Bachelor of Science in Agribusiness Management and Entrepreneurship</b>		
1. BSAM helps farmers community through extension activities which give and disseminate new technologies and knowledge on Agriculture/Agribusiness.	4.78 (Strongly agree)	0.50
2. BSAM helps in the research of product development from agricultural produce and other raw materials from the environment for community use and adoption.	4.97 (Strongly agree)	0.18
3. BSAM helps community/farmers through researches on production; provide	4.80 (Strongly agree)	0.41

services to other agricultural businesses; or be engaged in the marketing, transportation, processing, and distribution of agricultural products.		
4. BSAM produced graduates, entrepreneurs and Licensed Agriculturist who are assets of the institution/company because of hardwork, commitment and dedication.	4.77 (Strongly agree)	0.57
<b>Impact of Bachelor of Science in Business Administration</b>		
1. BSBA Program of PUP Lopez helps increase awareness in business landscape of the community.	4.68 (Strongly agree)	0.65
2. BSBA increases number of empowered graduates engaged in business	4.47 (Strongly agree)	0.74
3. The BSBA program generates qualified professionals with high level of skills in marketing and business administration.	4.59 (Strongly agree)	0.67
4. BSBA produced graduates who are assets of the institution/company because of hardwork and dedication.	4.68 (Strongly agree)	0.64
<b>Impact of Bachelor of Science in Civil Engineering</b>		
1. BSCE helps in maintenance and improvement of the environment through the innovations in constructing infrastructure without disturbing the environment.	4.75 (Strongly agree)	0.48
2. BSCE helps in improving infrastructure thru innovative design that resulted for the improvement of life.	4.80 (Strongly agree)	0.44
3. BSCE helps in the improvement of engineering knowledge by producing quality equipped graduates for the improvement of the nation.	4.86 (Strongly agree)	0.38
4. BSCE Program of PUP Lopez constantly produced toppers of Civil Engineering Board Examination and Civil Engineers who become part of different public and private construction firms who help the country achieve economic growth.	4.78 (Strongly agree)	0.49
<b>Impact of Bachelor of Science in Electrical Engineering</b>		
1. BSEE helps the community in promoting safety of persons and property from hazards arising from the use of electricity	4.97 (Strongly agree)	0.18
2. BSEE promotes energy efficiency and conservation of every electricity and end-users.	4.80 (Strongly agree)	0.41
3. BSEE contributes toward new trend and technologies in the electric industry for human intervention.	4.77 (Strongly agree)	0.57
4. BSEE produced graduates/Licensed Electrical Engineers who are assets of the institution/company because of hardwork, commitment and	4.93 (Strongly agree)	0.25

dedication.		
<b>Impact of Bachelor of Science in Information Technology</b>		
1. BSIT provides training and knowledge on how to use a computer and different computer applications which can be used in day-to-day office and business transactions.	4.65 (Strongly agree)	0.79
2. BSIT helps the community by providing training and knowledge in the repair and maintenance of computer hardware and software installation.	4.60 (Strongly agree)	0.73
3. BSIT helps the community in educating the youth about netiquette (internet etiquette) and the proper use and dissemination of information over the internet.	4.64 (Strongly agree)	0.73
4. BSIT provides innovative solutions to help small and large businesses in the community by developing computer systems and applications	4.60 (Strongly agree)	0.84
<b>Impact of Bachelor of Science in Architecture</b>		
1. BS Architecture helps the community by designing spaces and structures that accommodates the global population as it grows.	4.74 (Strongly agree)	0.83
2. BS Architecture cater the needs of community by giving greater details and concepts of the kind of buildings being constructed that the community needed and it featured the diversified mix of people, functions and applications.	4.67 (Strongly agree)	0.76
<b>Impact of Bachelor of Science in Hospitality Management</b>		
1. BSHM produces professionals in the field of tourism and hospitality industry that help uplift the community standards.	4.93 (Strongly agree)	0.25
2. BSHM contributes to the development of new careers in the hospitality industry.	4.91 (Strongly agree)	0.29
3. BSHM contributes Gross Domestic (GDP) in the tourism industry.	4.69 (Strongly agree)	0.47
4. BSHM produced graduates who are assets of the institution/company because of hardwork, commitment and dedication.	4.84 (Strongly agree)	0.42
<b>Impact of Bachelor of Science in Office Administration</b>		
1. BSOA produces highly-qualified office professionals employed in different government and private offices .	4.74 (Strongly agree)	0.53
2. High-caliber stenographers in different and municipal and regional trials courts nationwide are graduates of BSOA.	4.52 (Strongly agree)	0.73
3. Most of BSOA graduates are successful entrepreneurs contributing to the economic progress of our society	4.33 (Strongly agree)	0.74

The study of Public Administration deals with the execution of government policies and ensure that the different sectors and agencies conform with these rules and regulations thus, makes people aware of the national

laws and municipal ordinances (studyQA, 2017). Community development is one of the goals of public administration and the students study public administration and organization, public dealing, policies and programs, the constitution and the social values in the country and in the community. Leadership is developed through collaboration with different people and as graduates, they have learned to plan, organize, direct, coordinate, and maneuver operations in the government offices or any other organization which created a change in the government offices and in the community as a whole (Das, 2021). From policy making to policy implementation is the core value of the Public administration graduates which makes them create a clear picture of what is the plan and how is the plan to be done. With this, the impact was clearly seen by the community. In fact, in most Local Government Units and other government offices surrounding PUP Lopez, may it be accounting office, agriculture, finance, engineering, a PUP graduate can be seen which means that its graduates really contribute to societal development goals.

Another program which continuously having an impact in the community is the Bachelor of Secondary Education major in Mathematics. What makes them stand out is the fact that PUP Lopez is only HEIs in the 4<sup>th</sup> District of Quezon that offers Mathematics major. This program is also involved in extension services which help Mathematics learners with age range from as young as 6 yrs old to as old as 18 yrs old (senior high school students) to appreciate Mathematics. Also, parental involvement is also given to parents as part of their extension activities and these parents become involved in teaching their young children in Mathematics. In addition, BSEd Math graduates are Licensed Professional Teachers. In fact for three consecutive years (2017-2019), all BSEd Mathematics major graduates who took the Licensure Examination for Professional Teachers had 100% passing rate ([www.prc.gov.ph](http://www.prc.gov.ph)). As discussed by Concordia University (2021), students should be empowered as learners and this what happened to BSEd Math majors students, as early as first year college, they are introduced to their role in the society and the changes they could make in teaching Mathematics. Moreover, teaching-learning environment which involve students in Mathematics practice and train them to identify themselves and their efficacy have been seen to influence positively the students, thus reflect on the graduates and seen by the community (Polizzi et al., 2021).

Bachelor of Science in Accountancy is one of the oldest programs in PUP Lopez and produced thousands of graduates already and can be found in the community and abroad contributing to economic growth of the community and the country. Just like the BSEd program, they are also involved in extension activities in the community where they teach accounting for non-accountants for teens, parents and business owners. They also disseminate information on tax rules and regulations in layman's terms. Just like the other graduates of PUP Lopez Branch, most of the accounting graduates are in the Accounting Department handling finances and money properly. The presence of these accounting graduates help the community to make informed decisions on their financial future. Their practices is similar with that reported by Khanna (2018), where many accounting and finance students are taking action to help the community to be financially literate and involve in advising clients in whatever financial advice they want. As stated by Kumar (2009), accounting could help society intelligently since this involves analysis and make use of resources effectively. Most of the Accounting graduates of PUP Lopez landed in various professions. Some were Certified Public Accountants, teachers, office workers and entrepreneurs and all of them contributed to the society if not providing jobs for many and created self-independent citizens (Kumar, 2009).

Bachelor of Science in Agribusiness Management exists for 38 already in PUP Lopez and the curriculum is focus on the technicality of making business out of the agriculture products may it be plants, animals or by-products of those. Just like other programs in PUP Lopez, they are also involved in extension activities which help the community especially the farmers on their production. They are also in collaboration with other government agency such as the Municipal Agriculture Office, Department of Social Welfare and Development, Department of Labor and Employment and Department of Science in Technology. The collaboration is basically on giving training to farmers and producing research which could be disseminated to farmers and other members of the community. In addition, graduates become teachers, entrepreneurs, agribusiness managers and Licensed Agriculturist which contribute to the societal development. It could be noted that 40% of the Filipino workers are into agribusiness, thus contributes 20% to the Gross Domestic Product (FAO, 2002). Also, agribusiness contributes to the comprehensive progress and countryside expansion agenda of the government. Thus, the agribusiness sector is situated to principally contribute to the industrial and economic development of the Philippine economy ([www.industry.gov.ph](http://www.industry.gov.ph)). In the study of Baticados (2018), it revealed that there is drop in poverty for 15% which is due to the agribusinesses. Moreover, technological innovations and development of agri-related products have been enticing the youth and the students which is then transferred to the community, thus reflect on the impact on the community.

Bachelor of Science in Business Administration is one of the business programs in PUP Lopez Branch and proved to have an impact in the community. The program helps increase awareness in business landscape of the community through extension activities. Just like the Agribusiness Program, they are also involve in activities teaching business related matters in the community. Moreover, the program produced a number of empowered graduates engaged in business and other professions with high level of marketing skills and business administration. According to Seattle University (2017), BSBA students are pushed to solve business problems through theory and field practice. Critical problem solving skills are also developed including presentation and communication skills which very essential in marketing.

Civil Engineering Program in PUP Lopez is one of the pioneer programs in the institution and brought pride for PUP Lopez for how many times because of the countless times it produces topnotchers in the Licensure Examination for Civil Engineers. Moreover, its contribution and impact to the community is commendable since again most of the CE graduates from the university were already a renowned and notable engineers in the government and abroad. They are also responsible for different infrastructures and projects in the province such as diversion roads, farm to market roads and buildings that contribute greatly to social development of the community.

It has been said that our society we have today will not exist if not for civil engineers. From transportation, to bridges, to docks, to buildings, to roads, airports and even our necessities like electricity, water, phone and internet services, all of these required civil engineering knowledge ([www.schoolreport.com](http://www.schoolreport.com), 2022)

Likewise, Bachelor of Science in Electrical Engineering created an impact on our community. They help promote safety of persons and property from hazards arising from the use of electricity; promote energy efficiency and conservation and; contributes toward the development of new trends and technologies in the electric industry. In fact, electrical engineering faculty, students and graduates are all actively engaged on their extension activities teaching rural folks in basic electrical wiring and installation. As a result, some of the trainees acquired National Competency Certificate and used it to be employed or to be hired as electrician. As discussed by Treacy (2017), electrical engineering changed the world from light bulbs to television, to cellphones and GPS, modern advances in electrical engineering have illuminated, informed and connected the world.

Bachelor of Science in Information Technology is a very young program in PUP Lopez. It is only 4 years old but survey says that it has already an impact on the community. It provides training and knowledge on how to use a computer and different computer applications which can be used in day-to-day office and business transactions. Just like other programs in PUP Lopez, they are also involved in extension activities and provide trainings to rural folks how to use computers and their cellphones in marketing their products. They also help the community by providing trainings on the repair and maintenance of computer hardware and software and IT students do that for the community with the help of the IT instructors. Netiquettes were also disseminated and IT students and faculty are also involved in researches on programs which can ease the burden of work in the community. As reported by Lee (2001), Information Technology helps conduct business in a new way or e-commerce which is also taught by IT in PUP Lopez. It also gives a new paradigm in education which was become more evident and utilized everyday with the advent of COVID-19 pandemic.

Another new program in PUP Lopez is the BS Architecture. As of now, it has not produced any graduates yet, thus the reason for having the lowest mean in terms of the impact of different programs. However, it was still perceived by the community as impactful since they believe that Architecture programs helps the community by designing structures which can accommodate the growing population and caters the needs of people in terms of the kind of buildings to be constructed. This program go hand in hand with Civil Engineering program when it comes to providing knowledge and training to the community. The faculty do research and its results are disseminated to the community. As reported by Vangelatos (2019), architecture plays a key role in creating a physical environment which can provide its residents a profound impact on health, disposition and productivity.

Bachelor of Science in Hospitality Management is one of the go-to programs in PUP Lopez. It attracts students in all aspects of life because of the promising curriculum and the chance to have an internship in well-known companies which would lead them to work abroad. And true to its vision and mission, graduates of Hospitality Management in PUP really become part of the hospitality workforce. Some become businessmen and some go to other countries and become part of the hospitality workforce. In general, they contribute a lot in the Philippine economy. The hospitality sector consists of accommodation and offering food and beverage outside the person's home. Specifically, its impact would be the creation of employment and other domino effects caused by employment such as the creation of jobs in the supply and delivery industry, marketing and even farming industry. Thus, the sector largely contributes to tax and the overall Philippine economy (Choudhary, 2018).

Another program in PUP Lopez which have an impact on the community is the Bachelor of Science in Office Administration. Students of this program is taught of the advanced knowledge on office management skills. They are also trained to be good in short-hand typing. Notable graduates of this program are the clerks of different judicial courts and stenographers turned into lawyers. From such, they significantly contribute to social development.

### Conclusions and Recommendations

Members of the community and stakeholders strongly agreed that PUP Lopez and its programs has a positive impact on the community. PUP has long been standing in the community and known by almost all of the stakeholders. Among the different programs, business programs perceived to have the largest impact in the community while programs which was just recently offered have the least impact. Nevertheless, all of the programs perform different roles in the community which contributed to social and economic development. Thus, the continuous offering of these programs is highly recommended.

### References

- Apatov, E. and Grimes, A. (2019). Impacts of Higher Education Institutions on Local Population and Employment Growth.. *International Regional Science Review*. 42(1):31-64.
- Arum, R. and Roksa, J. (2014). *Aspiring Adults Adrift: Tentative Transitions of College Graduates*. Chicago: The University of Chicago Press.
- Baticados, G. N. (2018). Best Practices of Agri-Entrepreneurs in the Philippines. Food and Fertilizer Technology Center for the Asian and the Pacific. Policy Article – Agribusiness. Retrieved from <https://ap.iftc.org.tw/articles>
- Blumenstyk, Goldie. 2015. *American Higher Education in Crisis? What Everyone Needs to Know*. New York: Oxford University Press.
- City University of Seattle (2017). What is Business Administration? Retrieved from <https://www.cityu.edu/what-is-a-bachelor-of-science-in-business-administration/#:~:text=The%20BSBA%20degree%20pushes%20students,their%20success%20or%20their%20struggles>.

- Choudhary, A. (2018). The impact of hospitality on the economy. Retrieved from <https://www.torontosom.ca/blog/the-impact-of-hospitality-on-the-economy>
- Das, P.S. (2021). Why do we need to study Public Administration? Retrieved from <https://adamasuniversity.ac.in/why-do-we-need-to-study-public-administration/>
- Davis, E. (2019). Business Schools Making a Positive Community Impact. Retrieved from <https://www.aacsb.edu/insights/articles/2019/11/business-schools-making-positive-community-impact>
- Food and Agriculture Organization (2022). Agriculture. Retrieved from <https://www.fao.org/3/ae946e/ae946e03.htm>
- Kumar, V. (2009). How does accounting helps society? Retrieved from <http://www.svtuition.org/2009/09/how-does-accounting-help-society.html>
- Impact of Mathematics Education. <https://www.cuw.edu/academics/programs/secondary-mathematics-education-bachelors/index.html>
- Lee, K. R. (2001). Impacts of Information Technology on Society in the new Century. Retrieved from <https://www.zurich.ibm.com/pdf/news/Konsbruck.pdf>
- Leliugiene, I. and Barsauskiene, V. (2003). The university role in community development: responding to challenges of globalization. Paper presented at the European Conference on Educational Research, University of Hamburg, 17-20 September 2003.
- Mokyr, J. (2002). Thinking About Technology and Institutions, Princeton: Princeton University Press.
- Novellis, M. (2021). Creating Community Impact, Bettering B-Schools. Retrieved from <https://www.aacsb.edu/insights/articles/2021/02/creating-community-impact-bettering-b-schools>
- Polizzi, S.J., Zhu, Y., Reid, J.W. et al. Science and mathematics teacher communities of practice: social influences on discipline-based identity and self-efficacy beliefs. *IJ STEM Ed* 8, 30 (2021). <https://doi.org/10.1186/s40594-021-00275-2>
- PUP. Retrieved from [www.pup.edu.ph](http://www.pup.edu.ph)
- Robinson, J. (2021). How Universities Can Ensure They Have a Positive Impact on Local Communities. Retrieved from <https://www.timeshighereducation.com/campus/how-universities-can-ensure-they-have-positive-impact-local-communities>.
- Securing The Future of Philippine Industries. 2014. Retrieved from <https://industry.gov.ph/category/agribusiness/>
- Shapiro, S.P. (2005). Agency Theory. *Annu. Rev. Sociol.* 2005. 31:263–84 doi: 10.1146/annurev.soc.31.041304.122159
- Suarez M.T., Chan C., Obieta J.O.M. (2018) Higher Education Systems and Institutions, Philippines. In: Teixeira P., Shin J. (eds) *Encyclopedia of International Higher Education Systems and Institutions*. Springer, Dordrecht. [https://doi.org/10.1007/978-94-017-9553-1\\_507-1](https://doi.org/10.1007/978-94-017-9553-1_507-1)
- Teague, L. J. (2015). Higher Education Plays Critical Role in Society: More Women Leaders Can Make a Difference. Retrieved from <https://eric.ed.gov/?id=EJ1091521>
- Thompson, Robert J., Jr. 2014. *Beyond Reason and Tolerance: The Purpose and Practice of Higher Education*. New York: Oxford University Press.
- Treacy, S. (2017). How electrical engineering has changed the world. Retrieved from <https://electronics360.globalspec.com/article/10140/how-electrical-engineering-has-changed-the-world>
- Vangelatos, G. (2018). How Does Architecture Impact Society? A High-Level Look. Retrieved from <https://hmcarchitects.com/news/how-does-architecture-impact-society-a-high-level-look-2019-10-18/>
- Why Civil Engineering is Important? 2022. Retrieved from <https://www.onlineschoolsreport.com/why-is-civil-engineering-important/>