

# Jocson College Tuition Fee Allocation: Balancing Educational Quality and Affordability

Erica Jane B. Agustin<sup>1</sup>, Sheila D. Ungcad<sup>1</sup>

<sup>1</sup>Student, Doctor of Philosophy in Engineering Management, Nueva Ecija University of Science and Technology, Nueva Ecija, Philippines.

Corresponding Author: ericajaneagustin@gmail.com

**Abstract**— The general problem addressed in the study “Jocson College Tuition Fee Allocations: Balancing Educational Quality and Affordability” is how to balance educational quality and affordability in tuition fee allocation strategies at Jocson College. The faculty and administrative staff of Jocson College were selected as participants for this study because they are directly involved in the college’s tuition allocation strategies. They possess a comprehensive understanding of the college’s operations and services, and can provide valuable insights into the best practices of Jocson College in budgeting strategies for tuition fee allocation. However, the results of this study may not be generalizable to other populations. The study is a quantitative analysis of the tuition fee allocation of the tuition fee ensuring the balance in educational quality and affordability. The survey results suggest that the participants generally agreed that Jocson College’s tuition allocation strategies are optimized to balance affordability and educational quality. The participants also recommend increasing transparency, considering alternative funding sources, annual procurement planning, a well-defined institutional development plan, and consistent priority programs, projects, and activities. The ranking of the recommendations could help Jocson College prioritize its actions and allocate its resources more effectively. The survey results also indicate that the participants are likely to recommend Jocson College to a friend or family member. The college could use this information to improve its marketing and recruitment strategies. Overall, the study provides valuable insights into Jocson College’s tuition allocation strategies and could help the college improve its operations and services.

Future researchers may consider including other school stakeholders, such as students and parents, to fill in the gap. They could also consider including the number of enrollees and rate of graduates to provide a more comprehensive picture of Jocson College’s tuition allocation strategies.

**Index Terms**— Tuition fee, educational quality, affordability, tuition fee allocation strategies.

## 1. Introduction

Jocson College is a higher education institution situated in Angeles City, Philippines. The college was founded in 1950 and specializes in advanced and technical education for specific needs. By producing graduates who are capable of meeting both national needs and international standards, the college hopes to become the premier aviation school in the Philippines. In response to the rapidly increasing demand in the aviation,

hospitality, information and communication technology, and tourism industries, Jocson College offers four-year academic programs, two-year academic courses, short-term programs and basic education that adhere to the industry-based educational approach.

Institutions in the field of academe are always challenged by the dynamic interactions that exist between educational quality and affordability. Like many other colleges, Jocson College faces challenges to balance the need to offer a top-notch education with keeping fees affordable for a diverse student body.

This study intends to provide an in-depth understanding of how Jocson College maintains balance between upholding educational quality and promoting affordability by closely assessing the strategies and factors that are inherent in the allocation process. By doing so, it hopes to add significant insights to the larger conversation on sustainable financial models in higher education

The National Center for Education Statistics found that between 2007–08 and 2017–18, the average tuition cost for undergraduate students in the US grew by 28%. Students' inability to afford higher education as a result of this growth has increased student loan debt. The survey also discovered that financial difficulties are a major reason for college dropout rates for students from low-income families.

The average student loan debt for college graduates in the US was \$28,950 in 2019, according to a different survey conducted by the Institute for College Access and Success. Students' and their families' capacity to make ends meet financially may be impacted by this debt, which may take years to repay.

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An understanding of how Jocson College strikes a balance between affordability and quality of education will be gained from the study on the distribution of tuition fees.

The study aimed to determine the demographic profile of the participants in terms of age, gender, educational background, role, years of service, and salary service with Jocson College. It also sought to determine if the strategies for allocating tuition fees at Jocson College are optimized to balance affordability and educational quality, and how these strategies impact educational quality and affordability. The study also aimed to determine the best practices of Jocson College in tuition fee allocation, and how likely the participants will recommend Jocson College Inc. to a friend or family member. Finally, the goal of the study is to determine the recommendations from the participants on how to optimize the tuition fee allocations of Jocson College in balancing educational quality and affordability.

The study sought to determine if there are significant differences in the assessment on educational quality and affordability across different groups of participants. The null hypothesis (Ho) states that there are no significant differences in the assessment on educational quality and affordability across different groups of participants. The alternative hypothesis (Ha) states that there are significant differences in the assessment on educational quality and affordability across different groups of participants.

## 2. Methods

### A. Design

The researchers conducted a quantitative analysis on tuition fee allocation and its impact on educational quality and affordability.

### B. Participants

The participants in this study includes the teaching and administrative staff of the college as they are involved and affected by the decision of the college in the allocation of the tuition fee.

### C. Research Instruments

The researcher used a survey questionnaire with Jocson College teaching and non-teaching personnel (consisting of Faculty and administrative staff) to gather their perceptions and feedback on tuition fee allocation and balancing educational quality and affordability. This will help the researchers to understand the perspectives of school personnel and identify areas for improvement.

### D. Data Collection Procedure

The researchers submitted a letter to the Head of the Human Resource Department of Jocson College seeking approval to conduct a survey among the teaching and non-teaching personnel of the college.

Once the letter was approved, the researchers were granted permission to distribute the survey questionnaire link to all teaching and non-teaching personnel. The researchers created an online survey questionnaire using Google Forms and sent the link to the participants. After collecting the data from the conducted online survey, the researchers interpreted the results.

### E. Data Analysis

To address the research questions, the study will employ the following statistical tools:

For demographic Profiling, frequency and percentage analysis will be utilized to discern the demographic characteristics of participants, including age, gender, educational background, role at the college, and years of service.

Cluster analysis will be used with the aid of Microsoft excel: The participants will be group into different clusters based on their demographic profiles. This method will identify strategies most strongly correlated with educational quality and affordability. This will serve to test the hypothesis that significant differences exist in the assessment of educational quality and affordability across distinct participant groups.

The mean in the result will be interpreted using the likert scale:

Unit weight	Equivalent Weighted Points	Interpretation for the Level of Agreement
4	3.25- 4.00	Strongly Agree
3	2.50 – 3.24	Agree
2	1.75 – 2.49	Disagree
1	1.0 – 1.74	Strongly Disagree

## 3. Results

This part will display the results of the study using tables, figures or other appropriate formats.

### A. Demographic Profile of the Participants in terms of:

#### 1) Age

Table 2 shows the frequency and percentage of participants in different age groups. The age group with the highest frequency is 20 - 25 years old with 16 participants, which accounts for 39% of the total participants. The age group with the second-highest frequency is 40 years old and above with 9 participants, which accounts for 22% of the total participants. The age groups with the lowest frequency are 36-39 years old with 2 participants, which accounts for 4.9% of the total participants.

Table 2  
Age of the Participants

Age	Frequency	Percentage %
20 - 25 years old	16	39
26 – 30 years old	8	19.5
31-35 years old	6	14.6
36-39 years old	2	4.9
40 years old and above	9	22
Total	41	100

2) Gender

Table 3  
Gender of the Participants

Gender	Frequency	Percentage. %
Male	18	43.9
Female	23	56.1
Non-binary	0	0
Prefer not to say	0	0
Total	41	100

Table 3 shows the gender distribution of a population. It indicates that out of a total of 41 individuals, 18 are male and 23 are female. The percentage of males is 43.9% while the percentage of females is 56.1%. There is no non-binary or prefer not to say individuals in the population.

3) Educational Background

Table 4  
Educational Background of the Participants

Educational Background	Frequency	Percentage, %
Bachelor's Degree	34	82.93
Master's Degree	6	14.63
Doctoral Degree	0	0
Others (Ph. D Candidate (Dissertation to be completed))	1	2.44
Total	41	100%

The table 4 shows the educational background of the participants in a study. It indicates that out of a total of 41 individuals, 34 hold a Bachelor's degree, which is 82.9% of the total population. 6 participants hold a Master's degree, which is 14.6% of the total population. There are no participants with a Doctoral degree. One participant is a Ph.

D Candidate (Dissertation to be completed), which is 2.4% of the total population.

B. Role at Jocson College

Table 5  
Role of Participants at Jocson College

Role of the Participants	Frequency	Percentage, %
Faculty Member	30	73.17
Administrative Staff	9	21.95
Others	2	4.88
Total	41	100

Table 5 shows the role of participants at Jocson College and their respective frequency and percentage. The data indicates that 30 faculty members participated in the study, which accounts for 73.17% of the total participants. 9 administrative staff participated, accounting for 21.95% of the total participants. The remaining 2 participants were classified as "Others", accounting for 4.88% of the total participants.

C. Year of service with Jocson College

Table 6  
Year of Service of Participants with Jocson College

Year of Service	Frequency	Percentage, %
Less than 1 year	14	34.15
1-2 years	10	24.39
3-4 years	4	9.76
5 years and more	13	31.70
Total	41	100

The table 6 shows the years of service of participants with Jocson College and their respective frequency and percentage. The data indicates that 14 participants had a service period of less than 1 year, accounting for 34.15% of the total participants. 10 participants had a service period of 1-2 years, accounting for 24.39% of the total participants. 4 participants had a service period of 3-4 years, accounting for 9.76% of the total participants. 13 participants had a service period of 5 years and more, accounting for 31.70% of the total participants.

2.0 Are the strategies for allocating tuition fees at Jocson College are optimized to balance the affordability and educational quality?

Table 7  
Assessment Of Participants When Demographic Profile Are Grouped According to Age (In Years)

Statement	20-25	26-30	31-35	36-39	≥40
Grand Mean	3.42	3.14	3.37	2.89	3.22
Interpretation	Strongly Agree	Strongly Agree	Strongly Agree	Agree	Strongly Agree

Table 7 shows the assessment of participants when demographic profiles are grouped according to age. The data indicates that the majority of the participants agreed or strongly agreed that the strategies for allocating tuition fees at Jocson

College are optimized to balance the affordability and educational quality.

Table 8

Assessment Of Participants When Demographic Profile Are Grouped According to Gender

Statement	Female	Male	Non binary	Others
Grand Mean	3.15	3.16	0	0
Interpretation	Agree	Agree	-	-

Table 8 shows the assessment of participants when demographic profiles are grouped according to gender. The data indicates that both female and male participants agreed with the statement that the strategies for allocating tuition fees at Jocson College are optimized to balance the affordability and educational quality. According to table 8, survey results, most participants felt that Jocson College's tuition allocation strategies are based on clear, consistent rules and guidelines and are designed to strike a compromise between affordability and educational quality. The participants also concur that Jocson College's approaches to tuition allocation are adaptable, responsible, fair, inclusive, encouraging, successful, long-lasting, cooperative, and morally and responsibly sound. The findings imply that Jocson College has efficient methods for allocating tuition that raise the caliber of instruction given and enhance student academic results.

Table 9

Assessment Of Participants When Demographic Profile Are Grouped According to Educational Background

Statement	Bachelor's Degree	Master's Degree	Doctorate Degree	Others Ph. D Candidate (Dissertation to be completed)
Grand Mean	3.25	3.54	0	3.0
Interpretation	Strongly Agree	Strongly Agree	-	Agree

The survey results as shown in table 9 show that the participants generally agree that Jocson College's tuition allocation strategies are optimized to balance affordability and educational quality, and that the college's strategies are founded on well-defined and uniform standards and guidelines. The participants also agree that Jocson College's tuition allocation strategies are flexible, responsive, equitable, inclusive, supportive, effective, sustainable, collaborative, and morally and responsibly sound. The results suggest that Jocson College has effective strategies for distributing tuition fees that improve student academic outcomes and the quality of education provided.

Table 10

Assessment Of Participants When Demographic Profile Are Grouped According to Role at Jocson College

Statement	Faculty Member	Administrative Staff	Other
Grand Mean	3.36	3.07	0
Interpretation	Strongly Agree	Agree	-

When the demographic profile is grouped according to role at Jocson College, the survey results as shown in table 10, indicate that faculty members generally strongly agree with the statements, while administrative staff generally agree with the statements.

The participants generally agree that Jocson College's tuition allocation strategies are optimized to balance affordability and educational quality, and that the college's strategies are founded on well-defined and uniform standards and guidelines. The participants also agree that Jocson College's tuition allocation strategies are flexible, responsive, equitable, inclusive, supportive, effective, sustainable, collaborative, and morally and responsibly sound. The results suggest that Jocson College has effective strategies for distributing tuition fees that improve student academic outcomes and the quality of education provided.

Table 11

Assessment Of Participants When Demographic Profile Are Grouped According to Years of Service with Jocson College

Statement	< 1	1-2	3-4	≥ 5
Grand Mean	3.51	3.38	3.0	3.09
Interpretation	Strongly Agree	Strongly Agree	Agree	Agree

When the demographic profile is grouped according to years of service with Jocson College as shown in table 11, the survey results indicate that participants who have been with the college for less than a year generally strongly agree with the statements, while participants who have been with the college for 1-2 years generally strongly agree with the statements. Participants who have been with the college for 3-4 years generally agree with the statements, while participants who have been with the college for 5 years and more generally agree with the statements that gauged the problem "Are the strategies for allocating tuition fees at Jocson College are optimized to balance the affordability and educational quality?"

3.0 How do these strategies impact educational quality and affordability?

Table 12

Impact of Tuition Fee Allocation Strategies

Statement	Mean	Interpretation
3.1 The tuition fees at Jocson College are reasonable.	3.49	Strongly Agree
3.2 The quality of education at Jocson College is satisfactory.	3.49	Strongly Agree
3.3 Current tuition fee allocation in Jocson College is satisfiable.	3.42	Strongly Agree

3.4 The tuition fees at Jocson College are allocated appropriately.	3.32	Strongly Agree
3.5 The tuition fees at Jocson College are affordable.	3.56	Strongly Agree
3.6 The tuition fees at Jocson College are worth the quality of education provided.	3.41	Strongly Agree
3.7 Libraries are accessible to the teaching personnel and students.	3.34	Strongly Agree
3.8 Laboratories and other resources that contribute to a positive learning environment are available and accessible.	2.90	Agree
3.9 The college offers financial aid, scholarships, and grants to make education more affordable.	3.49	Strongly Agree
3.10 The college environment and premises are safe and secure.	3.12	Agree
3.11 The college has a functional School Clinic.	2.73	Agree
3.12 Jocson College has a strong relationship with the local community.	3.41	Strongly Agree
3.13 The school premises are well maintained and clean.	2.95	Agree
3.14 Maintenance Staff are trained to perform their tasks to make the environment conducive to learn.	3.05	Agree
Grand Mean	3.26	Strongly Agree

The survey results as display in Table 12, indicate that the participants generally agree that Jocson College’s tuition fee allocation strategies have a positive impact on educational quality and affordability. The participants strongly agree that the tuition fees at Jocson College are reasonable, affordable, and worth the quality of education provided. They also strongly agree that the quality of education at Jocson College is satisfactory, and that the current tuition fee allocation is satisfiable. The participants agree that libraries are accessible to the teaching personnel and students, and that the college offers financial aid, scholarships, and grants to make education more affordable. However, the participants only agree that laboratories and other resources that contribute to a positive learning environment are available and accessible, and that the college environment and premises are safe and secure. The participants also agree that Jocson College has a strong relationship with the local community, and that the school premises are well maintained and clean. The maintenance staff are trained to perform their tasks to make the environment conducive to learn. Overall, the survey results suggest that Jocson College’s tuition fee allocation strategies have a positive impact on educational quality and affordability.

#### 4. What are the best practices of Jocson College in budgeting

strategies for tuition fee allocation? Rank according to importance.

Table 13  
Jocson College Budgeting Strategies: Importance Ranking

Statement	Rank
4.1 Implement Contingency Funds	4
4.2 Offer Flexible Terms for Tuition Fees	1
4.3 Seek additional funding sources	2
4.4 Cut non-essential expenses	2
4.5 Communicates the allocations of tuition fees.	5
4.6 Implement cost-saving measures.	6
4.7 Periodical presentation of Finance Statement to stakeholders	7

The table 13 indicates that the most important budgeting strategy for Jocson College is to offer flexible terms for tuition fees, which has a rank of 1. The second and third most important strategies are to seek additional funding sources and to cut non-essential expenses, which have a rank of 2. The least important strategy is to present finance statements periodically to stakeholders, which has a rank of 7

5.0 How likely are the participants to recommend Jocson College Inc. to a friend or family member?

Table 14  
Survey Results: Likelihood of Recommending Jocson College

Likelihood of Recommending Jocson College	Frequenc y	Percentage %
YES	39	95.1
NO	2	4.9
TOTAL	41	100

According to the survey results (see Table 14), 95.1% of the participants are likely to recommend Jocson College Inc. to a friend or family member, while only 4.9% of the participants are not likely to recommend the college. The survey findings suggest that the majority of the participants have a positive perception of Jocson College Educational Quality and affordability, and are willing to recommend it to others.

6.0 What are the recommendations from the participants on how to optimize the tuition fee allocations of Jocson College in balancing the educational quality and affordability?

Table 15  
Survey Results: Recommendation of the Participants

Recommendations	Frequency	Percentage %
Increase transparency	27	65.69
Prioritize spending	15	36.6

Consider alternative funding sources	21	51.2
Annual Procurement Planning	20	48.8
Well defined Institutional Development Plan	27	65.9
Consistent Priority Programs, Projects and Activities	29	70.7
Others (please specify)	0	0

The survey results indicate that the majority of the participants made the following recommendations:

Table 15 shows that 65.69% of the participants recommended increasing transparency. 51.2% of the participants recommended considering alternative funding sources. While 48.8% of the participants recommended annual procurement planning. 65.9% of the participants recommended a well-defined institutional development plan. Wherein, 70.7% of the participants recommended consistent priority programs, projects, and activities. Fifteen (15) participants (36.6%) recommended prioritizing spending, while no participants provided any other recommendations.

The survey results suggest that the participants are concerned about transparency, funding sources, procurement planning, institutional development, and priority programs, projects, and activities. The recommendations could help Jocson College Inc. improve its operations and services.

Table 15 shows that the survey results suggest that the participants are concerned about transparency, funding sources, procurement planning, institutional development, and priority programs, projects, and activities. The recommendations could help Jocson College Inc. improve its operations and services.

#### 4. Discussion

Based on the survey results, the researchers will accept the null hypothesis that there are no significant differences on the assessment of the participants on the strategies of Jocson College in tuition fee allocation. The survey results indicate that the participants generally agree with the statements regarding Jocson College's tuition allocation strategies. The survey results also suggest that the participants have similar perceptions of Jocson College's tuition allocation strategies, regardless of their demographic profile. Therefore, the researcher can conclude that there are no significant differences on the assessment of the participants.

The study on Jocson College Tuition Fee Allocations:

Balancing Educational Quality and Affordability has several implications. The survey results suggest that the participants generally agree that Jocson College's tuition allocation strategies are optimized to balance affordability and educational quality. The participants also recommend increasing transparency, considering alternative funding sources, annual procurement planning, a well-defined institutional development plan, and consistent priority programs, projects, and activities. The ranking of the recommendations could help Jocson College prioritize its actions and allocate its resources more effectively. The survey results also indicate that the participants are likely to recommend Jocson College Inc. to a friend or family member. The college could use this information to improve its marketing and recruitment strategies. Overall, the study provides valuable insights into Jocson College's tuition allocation strategies and could help the college improve its operations and services.

Based on the survey results, the following recommendations could be given to Jocson College and other schools: the administration should increase transparency in tuition fee allocation strategies, and consider alternative funding sources to balance educational quality and affordability. The school administration must implement annual procurement planning to ensure efficient use of the resources. Most of the participants recommend that the school must develop a well-defined institutional development plan for the growth and success of an educational institution. Prioritization of programs, projects, activities, and spending are essential to ensure that tuition fee and other resources are allocated effectively. The school must ensure that libraries, laboratories, and other resources are accessible and available to students. Offer financial aid, scholarships, and grants to make education more affordable. It is also recommended to ensure that the college environment and premises are safe and secure. Lastly, the administration must develop a functional school clinic to support student health and well-being.

These recommendations could help Jocson College and other schools improve their tuition fee allocation strategies and operations. Future researchers could conduct further studies to explore the effectiveness of these recommendations and identify other best practices for balancing educational quality and affordability.

#### 5. Conclusion

The study on Jocson College Tuition Fee Allocation: Balancing Educational Quality and Affordability has some limitations. The researchers only considered faculty and administrative staff as the participants due to time constraints and the given limitations on the content of the IMRAD (Introduction, Methods, Results and Discussion) format. Therefore, the results may not be generalizable to other populations. Future researchers could consider including other school stakeholders, such as students and parents, to fill in the gap. They could also consider including the number of enrollees

and rate of graduates to provide a more comprehensive picture of Jocson College's tuition allocation strategies.

### References

- [1]. Brown, A., & Davis, B. (2018). "Addressing Affordability: The Role of Need-Based Financial Aid." *Journal of Higher Education*, 42(3), 123-140.
- [2]. Clark, A., & Turner, B. (2022). "Digital Disruption in Higher Education: Challenges and Opportunities." *Journal of Educational Technology*, 45(1), 32-50.
- [3]. College Board. (2021). *Trends in College Pricing 2021*.
- [4]. Institute for College Access and Success. (2020). *Student Debt and the Class of 2019*.
- [5]. Institute for College Access and Success. (2020). *Student Debt and the Class of 2019*.
- [6]. Jones, R. (2017). "Performance-Based Funding in Higher Education: A Critical Examination." *Educational Policy Analysis Archives*, 25(3), 1-25.
- [7]. Johnson, M. (2019). "Government Policies and Tuition Fee Allocation in Higher Education." *Policy Studies Journal*, 35(2), 87-104.
- [8]. Johnson, S., & Williams, L. (2020). "Socio-Economic Diversity in Higher Education: Challenges and Opportunities." *Journal of Diversity in Higher Education*, 18(4), 321-337.
- [9]. National Center for Education Statistics. (2020). *The Condition of Education - Undergraduate tuition, fees, room, and board charged for full-time students in degree-granting postsecondary institutions, by level and control of institution: Selected years, 1963-64 through 2017-18*.
- [10]. National Center for Education Statistics. (2021). *Fast Facts: Tuition costs of colleges and universities*.
- [11]. Peters, L., & Lee, S. (2021). "Innovative Teaching Methods in Higher Education: A Systematic Review." *Journal of Educational Technology and Society*, 24(2), 45-60.
- [12]. Smith, J., & Anderson, K. (2016). "Public-Private Partnerships in Higher Education: A Case Study Analysis." *Journal of Education Finance*, 40(1), 56-75.
- [13]. Smith, R., et al. (2019). "Tuition Fee Trends in Higher Education: A Comparative Analysis." *Higher Education Research & Development*, 38(4), 689-706.
- [14]. Taylor, P., et al. (2021). "Stakeholder Perspectives on Tuition Fee Allocation: A Qualitative Study." *Educational Research Quarterly*, 44(2), 189-208.
- [15]. Taylor, P., et al. (2021). "Stakeholder Perspectives on Tuition Fee Allocation: A Qualitative Study." *Educational Research Quarterly*, 44(2), 189-208.