

Administrative Strategies For Crisis Management And Institutional Resilience Among Educational Institutions In Benin City, Edo State, Nigeria

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Abstract:

Background: Educational institutions increasingly operate in environments characterized by security challenges, public health emergencies, policy fluctuations, infrastructural failures, and socio-economic instability. These disruptions can threaten the continuity of teaching, learning, and administrative operations, making effective crisis management and institutional resilience essential. This study examined administrative strategies for crisis management and institutional resilience among educational institutions in Benin City, Edo State, Nigeria.

Materials and Methods: A descriptive survey research design was adopted. The study population comprised stakeholders from selected educational institutions in Benin City. A sample of 300 respondents was selected using a multistage sampling procedure. Data were collected using a structured questionnaire. Data were analyzed using SPSS version 21.

Results: The findings revealed that educational institutions actively implemented crisis management strategies (Grand Mean = 3.58 ± 1.03) and demonstrated moderate to high levels of institutional resilience (Grand Mean = 3.46 ± 0.79). Significant positive relationships were found between leadership practices ($r = 0.686$), stakeholder involvement ($r = 0.705$), crisis communication ($r = 0.883$), digital readiness ($r = 0.721$), and institutional resilience ($p < 0.05$). Regression analysis identified institutional resilience ($\beta = 0.354$), digital readiness ($\beta = 0.287$), stakeholder involvement ($\beta = 0.217$), crisis communication ($\beta = 0.181$), and leadership practices ($\beta = 0.091$) as significant predictors of stakeholder outcomes.

Conclusion: Effective leadership, stakeholder engagement, communication systems, and technological preparedness are important drivers of institutional resilience. Strengthening these factors may enhance institutional adaptability, educational continuity, and stakeholder well-being during periods of crisis.

Key Word: Crisis Management, Institutional Resilience, Educational Institutions, Leadership Practices, Stakeholder Involvement.

Date of Submission: 24-07-2026

Date of Acceptance: 04-08-2026

I. Introduction

Educational institutions globally are increasingly exposed to diverse forms of crises that threaten their stability, efficiency, and long-term sustainability. These crises range from insecurity, industrial actions, pandemics, infrastructural collapse, economic instability, policy inconsistency, cyber threats, and natural disasters to social unrest and leadership conflicts. The growing complexity of these challenges has intensified the need for educational administrators to adopt effective crisis management strategies capable of ensuring institutional continuity and resilience. In recent years, institutional resilience has emerged as a crucial component of educational administration because resilient institutions are better equipped to withstand disruptions, recover from crises, and sustain teaching and learning activities under difficult conditions ¹.

The importance of crisis management in educational institutions has become increasingly evident following global experiences such as the COVID-19 pandemic, security-related disruptions, natural disasters, industrial actions, and technological failures. These events exposed vulnerabilities within educational systems and demonstrated the need for institutions to develop proactive approaches that ensure continuity of teaching, learning, administration, and stakeholder support. According to Aberle and Hoekstra ², resilience-based crisis management enables institutions to anticipate potential threats, coordinate responses effectively, and recover more efficiently from disruptive events. Similarly, Chatzipanagiotou and Katsarou ³ emphasized that effective leadership and preparedness strategies are necessary for educational institutions operating in uncertain environments.

Within the Nigerian educational sector, institutions continue to face numerous challenges, including inadequate infrastructure, funding constraints, security concerns, policy inconsistencies, and increasing stakeholder expectations. These challenges often place considerable pressure on institutional administrators and require the adoption of innovative management approaches that Enhance organizational adaptability and

sustainability. Contemporary educational management increasingly underscores the significance of strategic planning, inclusive stakeholder engagement, effective communication, and technological preparedness as critical determinants of institutional resilience. These interconnected elements enhance the capacity of educational institutions to anticipate, mitigate, respond to, and recover from diverse crises while ensuring organizational continuity and sustainable educational outcomes ⁴.

Scholars have consistently identified leadership practices as a fundamental determinant of institutional resilience. Effective leaders provide direction, facilitate communication, coordinate resources, and inspire confidence among stakeholders during periods of uncertainty. Adaptive leadership approaches that encourage participation, collaboration, and shared decision-making have been associated with improved organizational responsiveness and recovery capacity ⁵. Similarly, stakeholder involvement contributes significantly to resilience by fostering collective responsibility, trust, and resource mobilization. Educational institutions that actively engage students, staff, parents, communities, and governing bodies are often better positioned to address challenges and maintain operational continuity.

Communication also plays a central role in crisis management. Timely, accurate, and transparent communication helps reduce uncertainty, prevent misinformation, and strengthen stakeholder confidence. Aziz and Kareem ⁶ noted that effective crisis communication enhances trust and facilitates cooperation among stakeholders during emergencies. In addition, the growing integration of digital technologies into educational administration has transformed institutional responses to crises. Digital readiness, including the availability of technological infrastructure, digital platforms, and information systems, has become an important component of institutional resilience and continuity planning ⁷.

Despite growing scholarly attention to crisis management and resilience, limited empirical evidence exists regarding how educational institutions in Benin City, Edo State, Nigeria, integrate administrative strategies, leadership practices, stakeholder engagement, communication systems, and digital readiness to strengthen institutional resilience and improve stakeholder outcomes. Understanding these relationships is important for informing policy development and management practices aimed at enhancing institutional sustainability and effectiveness.

Therefore, this study examined administrative strategies for crisis management and institutional resilience among educational institutions in Benin City, Edo State, Nigeria. Specifically, the study investigated administrative strategies employed for crisis management, assessed institutional resilience, examined the influence of leadership practices, stakeholder involvement, crisis communication, and digital readiness on resilience, and determined their implications for stakeholder outcomes.

II. Material And Methods

Study Design:

This study adopted a descriptive survey research design. The design was considered appropriate because it enabled the collection of data from respondents regarding their perceptions of crisis management practices, institutional resilience, leadership practices, stakeholder involvement, crisis communication, digital readiness, and stakeholder outcomes within educational institutions. The design also facilitated the examination of relationships among the study variables without manipulating the research environment.

Study Location:

The study was conducted in Benin City, Edo State, Nigeria. Benin City is one of the major educational centres in southern Nigeria and hosts numerous public and private educational institutions. The city experiences various socio-economic, infrastructural, and administrative challenges that necessitate effective crisis management and resilience strategies within educational institutions.

Population of the Study:

The population comprised administrators, academic staff, non-academic staff, and other relevant stakeholders from selected educational institutions in Benin City, Edo State. These stakeholders were considered appropriate because they actively participate in institutional administration, policy implementation, crisis response, and educational service delivery.

Sample Size and Sampling Technique:

A sample size of 300 respondents was utilized for the study. A multistage sampling procedure involving purposive, stratified, and simple random sampling techniques was employed. Educational institutions were purposively selected based on their operational characteristics and accessibility. Respondents were subsequently stratified according to their institutional roles, after which simple random sampling was used to ensure fair representation of participants across the selected institutions.

Instrument for Data Collection:

Data were collected using a structured questionnaire titled “Administrative Strategies for Crisis Management and Institutional Resilience Questionnaire (ASCMIRQ).” The questionnaire consisted of two sections. Section A elicited respondents’ demographic information, while Section B contained items measuring administrative strategies for crisis management, institutional resilience, leadership practices, stakeholder involvement, crisis communication, digital readiness, and stakeholder outcomes.

Responses were measured using a four-point Likert scale of Strongly Agree (4), Agree (3), Disagree (2), and Strongly Disagree (1). The instrument was designed to capture respondents’ perceptions regarding institutional preparedness, adaptability, communication effectiveness, stakeholder engagement, technological readiness, and organizational resilience.

Validity of the Instrument:

The instrument was subjected to face and content validation by experts in Educational Management and Measurement and Evaluation. Their observations and recommendations were incorporated to ensure clarity, relevance, appropriateness, and adequacy of the questionnaire items in measuring the study variables.

Reliability of the Instrument:

The reliability of the instrument was determined using Cronbach’s Alpha reliability technique. The pilot study yielded reliability coefficients ranging from 0.836 to 0.962 across the various constructs, indicating a high level of internal consistency and confirming the suitability of the instrument for data collection.

Method of Data Collection:

Copies of the questionnaire were administered directly to respondents by the researcher with the assistance of trained research assistants. Participants were informed of the purpose of the study, and confidentiality of responses was assured. Completed questionnaires were retrieved, screened for completeness, and prepared for analysis.

Statistical analysis:

Data collected were coded and analyzed using the Statistical Package for Social Sciences (SPSS) version 21. Descriptive statistics, including frequency counts, percentages, means, and standard deviations, were used to answer the research questions. Pearson Product Moment Correlation (PPMC) was employed to determine the relationships among the study variables, while multiple regression analysis was used to assess the predictive influence of leadership practices, stakeholder involvement, crisis communication, digital readiness, and institutional resilience on stakeholder outcomes. Statistical significance was determined at the 0.05 level of significance.

III. Result

Table 1 revealed administrative strategies for crisis management. Respondents generally agreed that educational institutions employ various administrative strategies for crisis management. The highest-rated strategy was the existence of a clear crisis management plan for emergencies (3.85 ± 0.84), followed by regular risk assessment practices (3.61 ± 1.11). Emergency response teams, early warning systems, and prompt management responses to crises were also positively rated. The overall mean score of 3.58 ± 1.03 indicates that crisis management strategies are actively implemented across the institutions studied.

Table no 1: Administrative Strategies Used for Crisis Management

Variable	Mean $\pm$ SD
Crisis management plan for emergencies	3.85 ± 0.84
Early warning systems	3.50 ± 1.17
Prompt management response	3.44 ± 1.26
Regular risk assessment	3.61 ± 1.11
Emergency response teams	3.51 ± 1.25
Grand Mean	3.58 ± 1.03

Findings from Table 2 revealed that respondents perceived their institutions as relatively resilient during crisis situations. Institutional policies supporting continuity during emergencies received the highest rating (3.65 ± 1.02), followed by the perception that previous crises had strengthened preparedness (3.59 ± 0.96). The overall mean score of 3.46 ± 0.79 suggests a moderate-to-high level of institutional resilience.

Table no2: Institutional Resilience During Crisis

S/N	Item	Mean	Decision
1	My institution can continue operations during crises without major disruption.	3.33 ± 0.98	Agree
2	The institution adapts quickly to unexpected challenges.	3.25 ± 1.09	Agree
3	There is adequate infrastructural support for crisis resilience.	3.48 ± 1.02	Agree
4	Institutional policies support continuity during emergencies.	3.65 ± 1.02	Agree
5	Past crises have strengthened institutional preparedness.	3.59 ± 0.96	Agree
	Total Institutional Resilience Mean	3.46 ± 0.79	Agree

Table 3 showed that leadership practices were positively perceived among respondents, with flexibility in handling institutional challenges receiving the highest rating. The overall leadership mean score was 3.20 ± 0.92 . Pearson correlation analysis revealed a strong positive relationship between leadership practices and institutional resilience ($r = 0.686$, $p < 0.05$), indicating that effective leadership contributes significantly to resilience development within educational institutions.

Table no 3: Relationship between Leadership Practices and Institutional Resilience

Variable	r	p-value
Leadership Practices and Institutional Resilience	0.686	0.000**

*Significant at $p < 0.05$

Stakeholder participation (Table 4) was positively rated by respondents, with stakeholder involvement in crisis management decisions and community support for resilience receiving the highest mean scores (3.56 each). The grand mean score of 3.54 ± 1.06 indicates substantial stakeholder participation in institutional resilience initiatives. Correlation analysis demonstrated a strong positive relationship between stakeholder involvement and institutional resilience ($r = 0.705$, $p < 0.05$).

Table no4: Relationship between Stakeholder Involvement and Institutional Resilience

Variable	r	p-value
Stakeholder Involvement and Institutional Resilience	0.705	0.000**

*Significant at $p < 0.05$

Respondents generally perceived crisis communication mechanisms (Table 5) as effective. Institutions were reported to possess effective communication channels, rapidly disseminate information, and utilize social media platforms during emergencies. The overall mean score for crisis communication was 3.55 ± 0.90 . Correlation analysis showed a very strong positive relationship between crisis communication and stakeholder outcomes ($r = 0.883$, $p < 0.05$).

Table no5: Relationship between Crisis Communication and Stakeholder Outcomes

Variable	r	p-value
Crisis Communication and Stakeholder Outcomes	0.883	0.000**

*Significant at $p < 0.05$

Table 6 showed the relationship between digital readiness and institutional resilience. Respondents agreed that their institutions possess adequate digital capabilities for crisis response and continuity. Online learning systems supporting continuity during disruptions recorded the highest mean score (3.85 ± 1.20), followed by the use of digital tools for crisis management (3.80 ± 1.20). The overall digital readiness score was 3.74 ± 1.20 . A strong positive relationship was found between digital readiness and institutional resilience ($r = 0.721$, $p < 0.05$).

Table no6: Relationship between Digital Readiness and Institutional Resilience

Variable	r	p-value
Digital Readiness and Institutional Resilience	0.721	0.000**

*Significant at $p < 0.05$

The stakeholder outcomes of crisis management and institutional resilience was shown in Table 7. Respondents agreed that effective crisis management positively influences stakeholder outcomes. Crisis management improving student well-being received the highest mean score (3.81 ± 0.70), followed by improved

staff performance (3.68 ± 0.82). The overall stakeholder outcome mean score was 3.59 ± 0.74 , indicating that respondents perceived crisis management and resilience as contributing positively to institutional effectiveness and stakeholder welfare.

Table no7. Stakeholder Outcomes of Crisis Management and Institutional Resilience

S/N	Item	Mean	Decision
1	Crisis management improves student well-being.	3.81 ± 0.70	Agree
2	Staff performance improves when crises are well managed.	3.68 ± 0.82	Agree
3	Institutional reputation is enhanced through effective crisis response.	3.48 ± 1.07	Agree
4	Effective crisis management improves student retention.	3.53 ± 0.78	Agree
5	Institutional resilience ensures continuity of academic activities.	3.46 ± 0.96	Agree
	Total Stakeholders Outcome Mean	3.59 ± 0.74	Agree

Multiple regression analysis (Table 8) identified Institutional Resilience ($\beta = 0.354$, $p < 0.05$), Digital Readiness ($\beta = 0.287$, $p < 0.05$), Stakeholder Involvement ($\beta = 0.217$, $p < 0.05$), Crisis Communication ($\beta = 0.181$, $p < 0.05$), and Leadership Practices ($\beta = 0.091$, $p < 0.05$) as significant predictors of stakeholder outcomes. Institutional resilience emerged as the strongest predictor, followed by digital readiness. Administrative strategies demonstrated a weaker predictive effect ($\beta = -0.105$, $p = 0.050$).

Table no 8. Multiple Regression Analysis of Predictors of Stakeholder Outcomes

Predictor	β	p-value
Administrative Strategies	-0.105	0.050
Institutional Resilience	0.354	0.000*
Leadership Practices	0.091	0.011*
Stakeholder Involvement	0.217	0.000*
Crisis Communication	0.181	0.004*
Digital Readiness	0.287	0.000*

*Significant at $p < 0.05$

The correlation matrix (Table 9) revealed positive associations among all study variables. Stakeholder Outcomes demonstrated particularly strong relationships with Crisis Communication ($r = 0.88$), Institutional Resilience ($r = 0.85$), Stakeholder Involvement ($r = 0.84$), and Digital Readiness ($r = 0.84$). These findings suggest that improvements in leadership, communication, stakeholder engagement, digital readiness, and resilience collectively contribute to improved stakeholder outcomes during crises.

Table no 9: Correlation Matrix of Study Variables

	Stakeholder Outcomes	Administrative Strategies	Institutional Resilience	Leadership Practices	Stakeholder Involvement	Crisis Communication	Digital Readiness
Stakeholder Outcomes	1						
Administrative Strategies	0.76	1					
Institutional Resilience	0.85	0.76	1				
Leadership Practices	0.72	0.71	0.69	1			
Stakeholder Involvement	0.84	0.82	0.71	0.68	1		
Crisis Communication	0.88	0.68	0.87	0.73	0.81	1	
Digital Readiness	0.84	0.83	0.72	0.61	0.87	0.79	1

IV. Discussion

The findings showed that educational institutions in Benin City, Edo State, have increasingly adopted structured administrative approaches to crisis management. Respondents reported the presence of crisis management plans, risk assessment procedures, emergency response structures, and early warning mechanisms, suggesting growing institutional awareness of the need for preparedness. These findings align with studies emphasizing the importance of proactive planning and contingency measures in reducing the impact of disruptions and strengthening organizational effectiveness during crises ^{8,9,10}. The observed pattern also reflects

the shift towards strategic educational management practices in Nigeria, where institutions are increasingly expected to anticipate and respond effectively to emerging challenges ^{4,11}.

The study further revealed a moderate to high level of institutional resilience among educational institutions. Respondents perceived their institutions as capable of maintaining essential operations during periods of uncertainty through adaptive policies, flexible administrative practices, and gradual integration of digital technologies. This finding supports the view that resilience develops through continuous learning, preparedness, and adaptation to previous experiences ^{2,12}. It also reflects evidence that resilient educational institutions are better positioned to sustain academic activities and recover from disruptions while maintaining organizational stability ^{1,13,14}.

Leadership emerged as a significant determinant of institutional resilience, with a strong positive relationship observed between leadership practices and resilience. Respondents perceived leaders as flexible, participatory, and responsive during crises. This finding reinforces previous studies highlighting the importance of adaptive and transformational leadership in promoting preparedness, recovery, and organizational continuity during periods of disruption ^{3,5,15}. Within the Nigerian educational context, where institutions frequently encounter policy fluctuations and resource constraints, effective leadership remains critical for sustaining institutional functionality and stakeholder confidence ^{16,17}.

The study also established that stakeholder involvement contributes significantly to institutional resilience. Active participation by students, staff, parents, governing bodies, and community stakeholders was associated with stronger institutional adaptability and stability. This finding supports the growing recognition that educational resilience is a collaborative process that extends beyond administrative actions alone ^{12,18}. Strong stakeholder networks encourage shared responsibility, resource mobilization, and collective problem-solving, all of which strengthen institutional responses to crises ^{19,20}.

Crisis communication was perceived as effective and demonstrated the strongest relationship with stakeholder outcomes. Respondents agreed that institutions utilized communication channels capable of disseminating timely information and reducing uncertainty during emergencies. This finding is consistent with studies that identify transparent and responsive communication as essential for building trust, reducing panic, and sustaining stakeholder engagement during crises ^{6,21,22}. Effective communication therefore appears central to maintaining confidence and supporting institutional continuity in educational settings.

The findings further demonstrated that digital readiness significantly enhances institutional resilience. Institutions with stronger technological infrastructure, digital communication systems, and online learning capabilities were perceived as more capable of maintaining continuity during disruptions. This observation aligns with evidence showing that digital transformation strengthens adaptability, operational continuity, and crisis responsiveness in higher education institutions ^{7,23,24}. The increasing integration of technology into educational administration and service delivery suggests that digital preparedness has become an important component of institutional resilience.

Finally, the study revealed that crisis management and institutional resilience have significant implications for stakeholder outcomes, including student well-being, staff performance, institutional reputation, and educational continuity. The predictive influence of resilience, leadership, stakeholder involvement, communication, and digital readiness underscores the interconnected nature of these factors within educational institutions. Similar findings have been reported ^{13,25,26}. In these studies, it was noted that resilient institutions are better positioned to protect stakeholder interests and sustain quality educational services during challenging periods.

V. Conclusion

This study examined crisis management and institutional resilience among educational institutions in Benin City, Edo State, Nigeria. The findings indicate that educational institutions have adopted a range of administrative strategies designed to improve preparedness, response, and recovery during crises. Institutions demonstrated moderate to high levels of resilience, reflecting their ability to adapt to disruptions while maintaining essential academic and administrative functions.

The study established that leadership practices, stakeholder involvement, crisis communication, and digital readiness are important contributors to institutional resilience. Leadership was found to play a central role in guiding institutional responses, while stakeholder participation strengthened collaboration and collective problem-solving. Effective communication enhanced stakeholder confidence and trust, whereas digital transformation supported continuity and adaptability during disruptions.

The findings further revealed that these resilience-related factors significantly influence stakeholder outcomes, including educational continuity, staff effectiveness, student well-being, and institutional reputation. Taken together, the results highlight the importance of adopting integrated approaches that combine strong leadership, stakeholder engagement, communication systems, technological preparedness, and resilience-building strategies to strengthen educational institutions operating within increasingly uncertain environments.

VI. Recommendations

Educational institutions should strengthen crisis preparedness through the regular development, review, and testing of comprehensive crisis management plans. Institutional leaders should also receive continuous training in crisis leadership, strategic decision-making, communication, and resilience-building to improve their capacity to respond effectively to disruptions.

Stakeholder participation should be institutionalized by actively involving students, staff, parents, governing boards, and community representatives in crisis planning and response processes. Such collaboration may enhance ownership, trust, and collective problem-solving during emergencies.

Institutions should establish robust communication systems that ensure timely, accurate, and transparent information dissemination. Clear communication protocols and feedback mechanisms can help reduce uncertainty and sustain stakeholder confidence during crises.

Given the growing importance of technology in educational service delivery, greater investment should be made in digital infrastructure, internet connectivity, learning management systems, and digital literacy programmes. Policymakers and educational authorities should complement these efforts through financial and technical support aimed at strengthening institutional resilience, technological readiness, and crisis management capacity across the education sector.

Future studies should extend this line of inquiry to other regions of Nigeria and compare resilience practices across different categories of educational institutions to provide broader evidence for policy and institutional decision-making.

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