**OF FINANCES** IN PUBLIC UNIVERSITIES IN KENYA: A CASE OF EGERTON UNIVERSITY

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A RESEARCH PROJECT SUBMITTED TO THE GRADUATE SCHOOL IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE OF MASTERS IN BUSINESS ADMINISTRATION OF EGERTON UNIVERSITY.

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#### DECLARATION

L Esther Chepkorir Rono, hereby do make a declaration that this research is my original work and has not been carried out by any other person or presented for an award of a degree in any University.

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APPROVAL

This research project has been submitted with our approval as University supervisors.

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To all of you I say may the Almighty God bless you abundantly.

# DEDICATION.

To my sons Wesley, Gilbert and Andrew and daughter Faith.

#### ABSTRACT.

This study was aimed at establishing the effectiveness of the internal control system in the management of finances in public universities in Kenya. It sought to evaluate the existing internal control systems in the public universities, and especially in Egerton University. It also sought to determine whether there was a significant difference in the evaluation of the effectiveness of the internal control system in financial management between the academic and non-academic departments in Egerton University. Egerton University was taken as a case study from where all samples for study were drawn. The study used only primary data which was obtained using a closed ended questionnaire which was administered to respondents. The data was tested using the Likert Scale. A high score indicated the existence of a strong internal control system leading to an efficient financial management system. A low score indicated the existence of a weak internal control system while a mid-score will indicate that the internal controls have no impact in financial management. The overall score percentage was 81 indicating that the University's internal controls were highly effective in the management of finances. The second hypothesis that there was no significant difference in the evaluation of the level of the effectiveness of the internal control systems in Egerton University was tested using a T-test comparing the evaluation of the level of effectiveness of the internal controls by category of departments. This test led to the conclusion that the evaluation of the effectiveness of the internal control systems in the University depended on the category of the department. The results were corroborated by the one-sample chi-square test.

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#### ABBREVIATIONS AND ACRONYMS

LPO Local Purchase Order

PC University's Procurement Committee

DVC(A&F) Deputy Vice Chancellor (Administration and Finance)

PCA Pay Change Advice

R(A) Registrar (Administration

SSO Senior Supplies Officer

IGU Income Generation Unit

SAS Statement of Auditing Standards

CEO Chief Executive Officer

IFRSs International Financial Reporting Standards

**IIARF** Institute of Internal Auditors Research Foundation.

IIA Institute of Internal Auditors

ICPA(K) Institute of Certified Public Accountants (Kenya).

IASB International Accounting Standards Board.

AICPA American Institute of Certified Public Accountants.

GAAP Generally Accepted Accounting Principles.

#### CHAPTER ONE: INTRODUCTION.

## 1.1 Background to the Study.

Organizations set objectives and goals to achieve in a given period. In order to meet these objectives and goals, they require resources. The resources are scarce calling for the need for management to device, establish and supervise the implementation of internal controls through which resources will be allocated and utilized effectively and efficiently (Esmailjee, 1993).

#### 1.1.1 Elements of internal control.

An entity's internal control system consists of the policies and procedures established to reasonable assurance that specific entity objectives will be achieved. Great portance has been placed on internal control by management and independent auditors. The internal control system consists of three elements. The first element is the control environment which comprises management philosophy and operating style, organizational structure, board of directors, methods of assigning authority and responsibility, management control methods, internal auditing, personnel policies and ectices and external influences. The second element of internal control system is the Accounting systems. An effective accounting system should identify and record all valid manusactions, describe on a timely basis the transactions in sufficient detail to permit reper classification of transactions for financial reporting, measure the value of transactions in a manner that permits recording their proper monetary value in the financial statements, determine the period in which transactions occurred to permit transactions in the proper accounting period, and present properly the related disclosures in the financial statements. The third element of memal control system is control procedures. Control procedures may be classified into authorization, segregation of duties, documents and records, access controls, and independent checks (Kell and Boynton, 1992).

#### 1.1.2 Auditing as an internal control.

Auditing services are used extensively by businesses, government, and other non profit organizations. To do an audit, there must be information in a verifiable form and some standards by which the auditor can evaluate the information. Auditors routinely perform audits of quantifiable information, including companies' financial statements and individuals' income tax returns. Auditors also perform audits of more subjective information, such as the effectiveness of computer systems and the efficiency of manufacturing operations. An audit of the financial statements is done to determine whether the overall financial statements are stated in accordance with specified criteria. An operational audit is a review of any part of an organization's operating procedures and methods for the purpose of evaluating efficiency and effectiveness. The purpose of a compliance audit is to determine whether the auditee is following specific procedures, makes or regulations set down by some higher authority (Arens and Loebbecke, 1997).

#### 1.13 The role of External Auditors in the evaluation of internal controls.

The Controller and Auditor General is one among the external auditors who audit the government institutions. The constitution gives other duties of the Controller and Auditor General as examining disbursements of monies appropriated by Parliament to ensure that they have been applied for the purposes to which they were appropriated and that expenditures conform to the authorities that govern them (G. O. K., 1964). The Controller and Auditor General also does auditing and reporting on the public accounts of the Government of Kenya. The constitution requires the Controller and Auditor General to Parliament at least once every year on the public accounts of the government. Important audit findings arising from audits carried out during the year, including the financial statements, are reported to the ministries through management letters issued immediately after the audit work is completed.

Certified Public Accounting firms are external audit firms which perform audits of the published historical financial statements of companies, businesses, and non-commercial

The firms can audit the government institutions. (Arens and Loebbecke,

#### 1.1.4 The role of Internal Auditors in the evaluation of the internal controls.

policies and procedures (Kell and Boynton 1992). Internal auditor's responsibilities vary considerably, depending upon the employer. Some audit sections consist of few employees who may spend most of their time doing routine compliance auditing. Other internal audit sections consist of numerous employees who have diverse responsibilities, including many outside the accounting area. Because internal auditors spend all their time one company, their knowledge about the company's operations and internal controls is much greater than the external auditor's knowledge (Arens and Loebbecke, 1997)

#### 1.1.5 Audit sampling.

Auditors need not perform an audit of all transactions in an organization but can examine a sample of the transaction to determine the extent of the reliance that can be placed in the records. In contemporary auditing, sampling is well established. Audit sampling is the records of an audit procedure to less than 100% of the items within an account believe or class of transactions for the purpose of evaluating some characteristics of the believe or class (Kell and Boynton, 1992).

## 1.1.6 Internal control systems of Egerton University.

The internal control systems of Egerton University are contained in the Egerton University Act, (1987), The University Calender, Egerton University Financial Regulations, (1998) the Collective Bargaining Agreement, the Staff Terms and Conditions of Service documents and other government circulars which may be issued from time to time. The procurement procedures are as stipulated in the Public

Procurement and disposal Act, (2005) applicable to all public institutions in Kenya and the Easton University Tendering, Procurement Regulations, (1998).

## 1.2 The statement of the problem.

Public Universities in Kenya draw funding from the government and are required to account for the funds to the government. Whereas the funds are expended continuously throughout the year, the Controller and Auditor General can carry out an audit only once at year end. Given the staff establishment strength at the Kenya Audit office and the large number of transactions in each of the public institutions, the Controller and Auditor General can only examine the accounts on a sample basis. This has exerted a high pressure on all organizations, both public and private, to integrate proactive measures in internal control procedures in order to enhance accountability. Internal controls therefore as the only way that public organizations can ensure accuracy and reliability of their financial transactions. Despite the importance of internal controls, limited studies have been conducted to evaluate their effectiveness in management of finances. This study intends to fill the gap by evaluating the effectiveness of internal controls in public universities in Kenya.

## 1.3 Objectives of the Study

The general objective of the study was to establish the effectiveness of the internal control system in management of finances in public universities in Kenya.

## The specific objectives are:

- To evaluate the effectiveness of the existing internal control systems in public universities.
- To determine whether there is any significant difference in the evaluation of the level of effectiveness of the internal control systems between academic and non-academic departments in Egerton University.

## I.4 Research Hypothesis.

- The internal control systems in public universities in Kenya are not effective.
- There is no significant difference in the evaluation of the level of effectiveness of the internal control systems between academic and non-academic departments in Egerton University.

## 11.5 Justification/significance of the study.

The outcome of this study will be useful to public institutions in assessing the awareness by their staff of the existing internal controls, the adequacy of the awareness by their staff of their compliance in order to incorporate in their planning to ensure internal control systems are understood by all staff and they contribute towards improved management of finances.

#### 1.6 Scope and Limitations of the study.

**Exercise** University was used as a case study for the reason that it is one of the oldest institutions of higher education in Kenya and that it can be said to be a fair representation in Kenya.

One of the major limitations of this study was financial constraint. Despite this limitation, the ease and availability of data at Egerton University, which was close to the researcher's place of study, made the study more exhaustive.

#### 1.7 Assumptions of the study.

This study was carried out on the assumption that the respondents were aware of all the existing internal controls and that they would give objective responses to each of the indicators of internal controls in the questionnaire.

#### IL8 Definition of terms.

#### Baner

A member of staff in purchasing department who is charge of processing purchases for a selected number of items.

#### Audit Committee

A committee of the University Council which overseas the design, implementation, monitoring and review of the internal control system of an organization and the activities of auditors, both internal and external.

#### Commitment of Funds

apart the estimated cost of an item from the budget allocation at the initiation of a expenditure transaction but before the actual payment is made.

## Board of Survey

A committee in charge of monitoring and disposal of damaged, obsolete or excess inventory and assets.

## Pre-qualified suppliers

premises to establish their physical existence and examining their registration and other documents to establish the relevance and adequacy of their products and services to organization carrying out the assessment, and the suppliers' compliance to overment regulations.

## linternal Control system

internal controls) adopted by the directors and ment of an entity to assist in achieving their objective of ensuring, as far as the orderly and efficient conduct of its business, including adherence to mental policies, the safeguarding of assets, the prevention and detection of fraud and completeness of the accounting records, and the timely mental policies and completeness of the accounting records, and the timely mental policies are safeguarding of assets.

#### CHAPTER TWO: LITERATURE REVIEW.

#### III Evolvement of Internal Controls.

B. C., historians believe, formal record-keeping systems were first businesses and governments in the Near East to allay their crecity accounting for receipts and disbursements and collecting taxes.

Control of audits can be traced back to public finance systems of audits can be traced back to public finance systems.

Creece, the Roman Empire, the City States of Italy, etc., all of which detailed system of checks and counterchecks. Specifically, these were worried about incompetent officials prone to making bookkeeping maccuracies as well as corrupt officials who were motivated to perpetuate the opportunity arose (Institute of Internal Auditors, 2003).

#### 2.2 The internal control environment.

It encompasses the overall attitudes, abilities, awareness and actions of the protection of an entity, and particularly those of its management, concerning the protection of directors and key management. It includes the role of the audit committee and audit, the reasonableness of management plans and budgets, the relevance and reliability of management information. Other elements of internal control environment are the effectiveness of the organization structure, the role of the board of directors and key management. It includes the role of the audit committee and audit, the reasonableness of management plans and budgets, the relevance and reliability of management information. Other elements of internal control environment are the reliability of management estimates, the existence of adequate policies and procedures for controlling the business and the effectiveness of management control over computer operations. Accounting systems comprise the financially significant computer applications and the computer environment(s) in which these are developed, implemented, maintained and operated. These systems will form the basis for the

preparation of periodic financial statements and other information required by management to control the business. They consist of a series of procedures for recording, processing and controlling transactions and for recording resources and their use. Internal accounting controls are the specific procedures established by management to ensure, as far as possible, that transactions are completely and accurately processed and are recorded in accordance with management's authorization and that assets are safeguarded, the accounting systems are reliable and the account balances are correct (Walters and Dunn, 2000).

## 2.3 Relationship between Internal and external auditing.

The Statement of Responsibilities of Internal Auditing issued by the Institute of Internal Auditors (IIA) defines internal auditing as 'an independent appraisal function established within an organization to examine and evaluate its activities as a service to the organization'. Several parts of this definition merit comment: 'Internal' indicates that the auditing is carried on within an organization by employees of the organization. 'Independent appraisal function' makes it clear that there are no limitations or restrictions on the auditor's judgment. 'Established' states that the entity has specifically authorized the creation of an internal audit function. 'Examine and evaluate' describe the nature of internal auditing as first, a search for facts, and second, a subjective process of evaluating the results. 'Activities' implies that all of an organization's activities fall within the scope of internal auditing. 'Service to the organization' indicates that internal auditing exists to aid or benefit the entire organization (Kell and Boynton, 1992).

There is usually a close relationship between internal auditors and an entity's outside independent auditors. The work of internal auditors may be a supplement to, but not a substitute for, the work of independent auditors in a financial statement audit. One of the responsibilities of the head of internal auditing is to coordinate the work of internal auditors with the work of external auditors (Kell and Boynton 1992).

The external auditor's operations are governed by the International Accounting Standards Board (IASB). The IASB is committed to developing, in the public interest, a single set

quality, global accounting standards that require transparent and comparable mation in general purpose financial statements. In pursuit of this objective, the IASB perates with national accounting standard-setters to achieve convergence in munting standards around the world (Accounting Standards Board, 2006).

## Limitations to auditing.

that the auditor works within fairly restrictive economic limits like time, cost and man resource. To be useful, the audit must be made at a reasonable cost and within a sonable length of time. The limitation on cost results in selective testing, or sampling, the accounting records and supporting data. The auditors report on the financial statements is usually issued within three months of the balance sheet date. This time transactions after the balance sheet date that may have an effect on the financial statements. Despite the limitations, a financial statement audit adds credibility to the mancial statements. (Kell and Boynton, 1992).

Inspite of the availability of different types of controls there have been numerous incidences of fraud and errors in private and public enterprises all over the world. This raises the question as to whether the internal controls in the organizations are sufficient and if they are sufficient, whether there are continuous reviews to establish their efficiency and effectiveness (Esmailjee, 1993).

## 2.5 Empirical research: The auditor and internal controls.

The concept of internal controls has received considerable attention from researchers. The researchers have tended to focus on aspects of control that relate to performance reporting, organization structure, behaviour and external auditor's work (Ismailjee 1993).

Haylas and Ashton (1982) in their efforts to provide evidence on the effectiveness of particular audit techniques in detecting errors that affect the financial statements and on the causes of such errors conducted a study of 281 errors requiring financial statements adjustments. The results of the study suggested that all of the intentional errors are concentrated in relatively few audit areas and that these areas are fairly predictable by industry. The great majority of such errors affect income but the direction of the effect may either be an understatement or overstatement. Regarding signaling of an error, they found that a large portion of financial statement errors are initially signaled by less rigorous audit procedures such as analytical review and discussions with clients. Client personal problems such as inexperience, incompetence and insufficient knowledge and inadequate control, follow up or review were found instrumental in causing more errors.

In an attempt to define a client's control environment from the auditor's perception, Haskins (1987) identified 48 client control attributes and their perceived levels of importance in adequately describing a client's control environment thus serving to define more clearly audit planning concepts. Audit firms, firm's specialization and audit rank were found to be significant mediating contextual variables and that seniors had the largest share of the evaluation of internal control attributes responsibility.

Another study examined the effectiveness of internal audit and external audit in deterring financial reporting irregularities. Schneider and Wilners (1990) conducted an experimental study that examined the effects of managers' perception of internal and external auditing on the potential of financial irregularities. A total of 264 subjects, the majority of whom were experienced managers were required to make decisions on three cases involving materiality type of irregularity, perceived extent of Generally Accepted

Accounting Standards (GAAP) violation and incentives for misstating income. The decision were made in a situation where there was no auditing at all, only internal auditing or external auditing.

The results clearly supported internal and external auditing as deterrents to financial reporting irregularities when all of the four factors were present. It was also found that internal auditing effects were similar to those of external auditing. The study, however, suffered from the inability to explain why the existence of audits were perceived as having deterrent effects (Schneider and Wilners, 1990).

Salih (1983) evaluated the internal controls of Ethiopian Airlines, Nairobi Branch Office and concluded that lack of segregation of accounting and custodian functions was the greatest weakness of the Franch Office. He argued that there is need to centralize cash receipts, establish an internal audit unit, separate duties of purchase activities, establish perpetual inventory system for tickets.

Ismailjee (1993) evaluated the internal controls of the Nyayo Bus Service Corporation, Nairobi and concluded that the analysis conducted on the cash receipts as well as the cash disbursements and the purchases cycle areas bore fairly strong controls. He attributed this largely to the fact that the government accounting system was still in operation in those areas. He however found weaknesses in the organization chart, payroll and the stores accounting system.

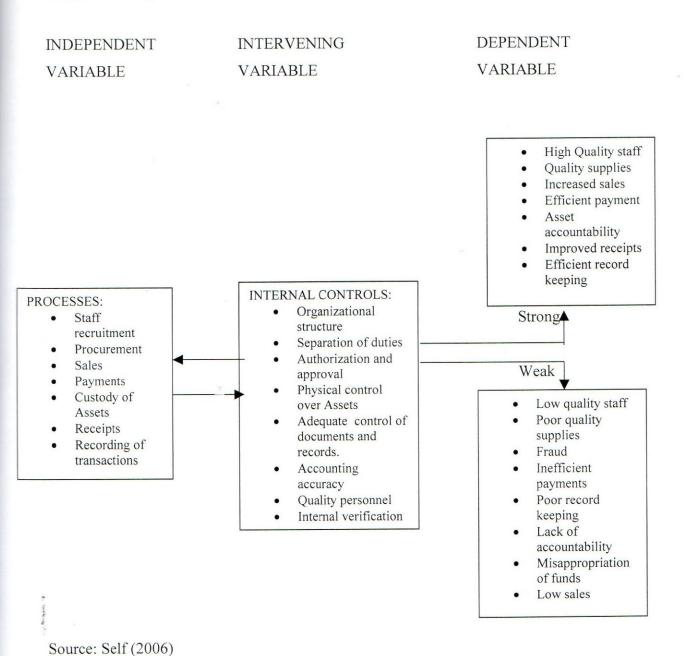
# 2.6 Conceptual Framework.

In order to achieve their objectives, institutions carry out many activities. Staff are recruited to carry out the activities such as purchase or sale of items, receipts, payment for purchases and services and staff remuneration, keep custody of assets and recording the transactions. For efficiency in carrying out the activities, institutions require to put in place internal controls. An organization structure should define and allocate responsibility, authority and define lines of reporting. Adequate segregation of duties will

ensure separation of duties to enhance accountability. Proper authorization or approval of all transactions will check against unauthorized transactions. Physical control over assets will protect the assets against theft and unauthorized uses. Adequate control over documents and records and accounting accuracy will guard against fraudulent use of accountable documents like receipts and local purchase orders and ensure a complete and accurate record of all transactions. All these controls can be enhanced by use of quality personnel.

The effectiveness of an institution's financial management depends on the strength of its internal controls. Strong internal controls will lead to the recruitment of high quality staff, purchase and timely delivery of quality items, increased sales and cash receipts, an efficient payments system leading to supplier and staff satisfaction, proper safeguarding of assets and complete and accurate recording system. On the other hand, a weak internal control system will lead to recruitment of low quality staff, delayed delivery of poor quality supplies, inefficient receipts and payments system, poor and unreliable record keeping, lack of accountability, misappropriation of funds, and reduced sales.

## Graph 1 Conceptual Framework.



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#### CHAPTER THREE: RESEARCH METHODOLOGY.

## 3.1 Location and Population of the study.

For the purpose of this study, Egerton University was chosen as a case study. The reason for choosing this sample was due to ease in contacting respondents to fill the questionnaire.

## 3.2 Sampling procedure.

The non-probability sampling method was used to select a sample of 34 respondents made up of staff heading the non-academic departments and sections involved in regulating the internal control system and all the chairmen/ chairpersons of academic departments.

#### 3.3 Data collection method and instruments.

Primary data was collected using a closed-ended questionnaire which was personally administered to respondents on a drop and pick basis. The respondents were required to indicate how often the internal controls were applied. There were eight parts to the questionnaire which were designed to set out the internal controls applied in each of the sections that carry out the financial processes. These were internal controls relating to debtors records; custody of cash and accountable documents; procurement of goods, services and works; receiving and storage of items at the Central Stores; supplier's records and payment for goods, services and works. Other parts set out the procedures for control over staff recruitment and payment of wages and salaries; budgetary control; custody and disposal of assets.

## 3.4 Data analysis methods.

The first hypothesis was tested by analyzing the responses collected through the questionnaires using the Likerts scale. A high score indicated the presence of a highly effective internal control system leading effective financial management. A low score indicated the presence of a less effective internal control system, while a mid-score indicated a moderately effective internal control system.

The second hypothesis which stated that 'there is no significant difference in the evaluation of the level of effectiveness of the internal control systems between academic and non-academic departments in Egerton University' was tested using the t-test to test the level of effectiveness of the internal control system by category of department. To corroborate the results of the t-test, the chi-square test was used.

## CHAPTER FOUR: FINDINGS AND DISCUSSIONS.

## 4.1 General Findings

The first objective of this study sought to evaluate the effectiveness of the existing internal control systems in Egerton University. To effectively evaluate the level of effectiveness of the existing internal control systems in Egerton University, eight dimensions of control systems regulating operations in a university were considered. The dimensions were: staff recruitment and payment of wages and salaries; debtors records; procurement of goods, services and works; receiving and storage of items in the central stores; suppliers' records and payment for goods, services and works; custody of cash and accountable documents; budgetary control; and custody and disposal of assets. The eight dimensions together determine the overall internal control systems in a properly managed financial system in a university. This study therefore examined the influence of each of these dimensions separately and cumulatively as the overall internal control systems of financial system of Egerton University. The overall score was later coded into three ordinal categories in order to differentiate between the levels of effectiveness of the internal control system as assessed by the respondents. This included a score of 0.0-0.33 meaning less effective, a score of 0.34-0.66 meaning moderately effective and a score of 0.67-1 meaning highly effective.

## 4.1.1 Staff recruitment and payment of wages and salaries

The level of effectiveness of the internal control systems governing staff recruitment and payment of wages and salaries was evaluated on a four-point likert scale (1 for Not at All, 2 for Not Aware, 3 for Sometimes, and 4 for All the Time) using 22 indicators relating to personnel management in the university. The sample respondents were requested to indicate their individual evaluation of the level of effectiveness of each indicator. The details of their responses are tabulated on Appendix 3 (i). Table 1 below depicts the total score, percentage and the ranking of the internal controls indicators.

Table 1: Internal controls relating to Staff recruitment and payment of wages and salaries

		Response		
		Total	Percenta	Rank
	Indicators	raw	ge score	
		score		
1	Staff in computer section have no access to	49	61	22
	the PCAs in the salaries section			
2	A senior accountant confirms mathematical	55	69	21
	accuracy of the payroll schedule before			
	authorizing for cheques to be raised			
3	The clerk makes a monthly wages summary	58	73	20
	at the end of the month for each casual			
	worker showing the details of the worker,			
	number of hours worked, applicable hourly			
	rate, and wages payable			
4	A daily work record is maintained by the	61	89	19
	supervisor for each causal worker			
5	Personnel section checks the request by	62	78	18
	departments against the organization			
	structures			
6	Staff from other sections have no access to	62	78	17
	the computer section			
7	Personnel section check the printout of	63	79	16
	changes to the payroll against the PCA			
	issued for the month			
8	R(A) signs the letter of authority for	64	80	15
	department to hire casual workers			
9	Short-listing is done by a panel made up of	65	81	14
	personnel, the respective department and a			

	representative from the senate			
10	A committee under the R(A) deliberates on	65	81	13
	department's requests to hire casual workers			
	and approves, rejects or amends the request			
11	The clerk enters the details of the hours	67	84	12
	worked, as recorded on the daily work			
	records, on the muster roll			
12	Job advertisement made for any vacant	68	85	11
	position to be filled			
13	Changes to the payroll are made on the	68	85	10
	strength of a PCA only			
14	The monthly wages summary is approved by	69	86	9
	the head of the department			
15	Personnel section issues a schedule for new	70	88	8
	rates of pay for annual increments and any			
	pay changes affecting all employees			
16	Departments make written requests to DVC	71	89	7
	(A & F) for additional employees			
17	Interviews are conducted by a panel chaired	71	89	6
	by the Chairman of the University Council			
	for academic and senior administrative staff			
	and DVC (A & F) for all other categories			
18	Salaries section check the workings on the	71	89	5
	monthly wages summary			
19	Wages are paid at the cash office with the	71	89	4
	assistance of the supervisor			
20	Letters of appointment are signed by the	72	90	3
	registrar administration – $R(A)$			
21	Personnel records are maintained showing	73	91	2
	their terms and conditions of services			

	Total score	1461		
	pay on promotion, retirement or dismissal			
	pay and other allowances and for change of			
	effective date of payment, rate of the basic			
	department for new employees showing			
22	Personnel section raise PCAs to finance	76	95	1

N = 20

Source: Research findings, 2006.

From Table 1 above, there was an overall score of 1,461 which works out to 0.83 out of a possible maximum score of 1,760. The results indicate that more respondents reported that the internal controls relating to staff recruitment and payment of wages and salaries were highly effective.

The responses to each constituent item were scored on a scale of 1, indicating least level of effectiveness, to 4, indicating highest level of effectiveness. The individual item scores were added up to form an overall effectiveness score for each respondent. The respondents' overall score varied between 440, indicating the least overall level of effectiveness, and 1760, indicating the highest overall level of effectiveness. The higher the overall score, the more effective was the internal control system of staff recruitment and payment of wages and salaries, and vice versa.

Among the indicators of effective internal controls relating to personnel management were the segregation of duties. The policy on recruitment and selection of employees was seen as transparent. Requests to fill job vacancies emanated from the departments and were checked in Personnel Department before approval by the Deputy Vice Chancellor in charge of Administration and Finance. Recruitment was then done through advertisement in at least three widely read daily newspapers and selection by a representative panel. Requests for recruitment of staff on contract or temporary employment and casual workers did not follow a similar procedure as it was not found economical to go through

the elaborate recruitment and selection process for staff who would hold office for short periods. The responses further indicated that there was segregation of duties in payment of salaries and wages. Personnel Department raised pay change advices to Finance Department for payment. The processed changes were checked in personnel before the final payroll was produced against which finance department drew cheques to pay the salaries. A further internal control was that no staff was paid salary by cash but all salaries were paid to the bank accounts. Payment of wages for casual workers had its controls of approval and segregation of duties. The clerk in charge prepared a monthly wages summary which was approved by the Head of Department before it was paid by Finance Department. Most of the controls were negotiated between the university and the respective staff trade union who also monitored their implementation and hence enhanced the internal controls. There were other indicators which pointed towards a moderately effective system. One was that there was little restriction of access to payroll input documents in salaries section and that confirmation of the mathematical accuracy of the payroll schedules by a senior management member of staff was sometimes not done.

#### 4.1.2 Debtors' records

The level of effectiveness of the internal control systems governing debtors' records was also evaluated on a four-point likert scale (1 for Not at All, 2 for Not Aware, 3 for Sometimes, and 4 for All the Time) using 35 indicators relating to debtors' records in the university. The sample respondents were requested to indicate their individual evaluation of the level of effectiveness of each indicator. Appendix 3 (ii) gives the details of the responses to each of the indicators. Table 2 depicts the total score from the respondents and their ranking in percentages.



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Table 2: Internal controls relating to debtors' records

	Response			
		Total raw	Percentage score	Rank
	Indicators	score		
1	Imprest is surrendered within 48 hours	27	34	35
	of the completion of the activity for			
	which it was taken.			
2	Follow up of debts is done by IGU	46	58	34
	department			
3	Staff get salary advance up to a	47	59	33
	maximum of three times in a calendar			
	year.			
4	Staff from other departments have no	48	60	32
	access to debtors section			
5	A salary advance is charged interest at	48	60	31
	the commercial bank rates			
6	All collections from the credit sales are	50	63	30
	collected thirty days after the invoice			
	date			
7	A goods inwards returns note is	50	63	29
	maintained for the goods returned by			
	customers			
8	Imprest which is not surrendered by the	51	64	28
	10 <sup>th</sup> of the following month is			
	recovered from the salary of the month			
9	Students pay fees in full at the	53	66	27
	beginning of the semester			
10	A debtors ledger is maintained in IGU	53	66	26
	department			

11	A salary advance is recovered in three monthly installments starting from the month that it is advanced or the following month if the advance is taken after the payroll entries have been closed	54	68	25
12	The imprest forms for the staff who have not surrendered previous imprests are returned to the applicant	56	70	24
13	A register of goods returned is maintained to support the short-credit invoice	56	70	23
14	A normal salary advance is up to a maximum of one month's salary net of statutory deductions	57	71	22
15	Items for sale on credit are authorized by the farm manger or head of department against the request document by the credit customers	57	71	21
16	Sales on credit are given only to customers who have been assessed and found to be creditworthy	60	75	20
17	Staff members fill salary advance forms before they can get salary advance	62	78	19
18	Debtors section record the salary advance as a debtor	62	78	18
19	The delivery note is signed by the farm manager or head of department	62	78	17

20	The invoice is signed by the farm	63	70	
		03	79	16
	manager or head of department			
21	Imprest forms for expenditures whose	64	80	15
	votes are exhausted are returned to the			
	respective departments			
22	The imprest form is checked at the	64	80	14
	debtors section to confirm all previous			
	imprest have been surrendered and			
	record the transaction			
23	The salary advance form is checked in	64	80	13
	salaries section to avoid over-			
	commitment of the salary			
24	The salary advance form is authorised	64	80	12
	by DVC (A & F)			
25	A delivery note is raised for every	64	80	11
	credit sale			
26	An invoice is raised for every delivery	66	83	10
	note			
27	Salaries section records the salary	68	85	9
	advance for recovery			
28	Students deposit fees in the university	73	91	8
4. Webs	bank account and submit the deposit			
	slip to cash office for issuance of the			
	receipt			
29	The imprest form is approved by the	74	93	7
	dean in case of academic faculties or		,	
	the DVC for non-academic			
	departments			
30	A pay change advice is raised in	76	95	6

	personnel department			
31	Tuition fees and accommodation	76	95	5
	charges are received against the letter			
	of admission			
32	A students ledger is maintained in a	76	95	4
	computer programme			
33	The imprest is committed at vote-book	78	98	3
	section to accumulate the expenditure			
	on the vote and to indicate availability			
	of funds			
34	The imprest form is signed by the	79	99	2
	chairman of the department to			
	authorize expenditure from the			
	department's vote			
35	Staff apply for imprest by filling the	80	100	1
	imprest form			
	Total score	2128		

N = 20

Source: Research findings, 2006.

From Table 2 above, the overall score out of the 20 respondents to the 35 indicators to the internal controls relating to information on debtors' records was 2,128 which was 0.76 out of a possible maximum score of 2,800.

The responses to each constituent item were scored on a scale of 1, indicating least level of effectiveness, to 4, indicating highest level of effectiveness. The individual item scores were added up to form an overall effectiveness score for each respondent. The respondents' overall score varied between 700, indicating the least overall level of effectiveness, and 2800, indicating the highest overall level of effectiveness. The higher the overall score, the more effective is the internal control system of information on debtors' records, and vice versa. The overall score was later coded into three ordinal

categories in order to differentiate between the levels of effectiveness of the internal control system as assessed by the respondents.

The responses to each constituent item were scored on a scale of 1, indicating least level of effectiveness, to 4, indicating highest level of effectiveness. The individual item scores were added up to form an overall effectiveness score for each respondent. The respondents' overall score varied between 35, indicating the least overall level of effectiveness, and 140, indicating the highest overall level of effectiveness. The higher the overall score, the more effective is the internal control system of information on debtors' records, and vice versa.

The responses generally indicated that the internal control systems governing information on debtors' records were highly effective. Debtors were of imprests, student's fees and credit sales. The deposit of fees by students directly to the University's bank accounts rather than pay cash and the maintenance of a students fees ledger were indicators of a highly effective internal control system. The indicators of highly effective internal controls systems relating to information on debtors records were the approval procedures of imprest. The imprest warrant form clearly indicated the approval procedures for application and surrender of imprest taken by staff who drew subsistence allowances while traveling outside their work station on official duty or to make payment in advance. It was indicated that all imprests were applied using a standard accountable document, the imprest warrant, and was approved by the chairman of department to authorize expenditure out of the department's vote, the imprest was checked for availability of funds and committed at vote book and authorized by the deputy vice chancellor to authorize payment of cash. The strength of internal controls relating to debtors on credit sales was that customers were rated on their creditworthiness before credit could be extended to them.

There were indicators of a moderately effective system. These were that imprest was not surrendered within the stipulated forty eight hours after completion of the activity for which it was taken neither did recovery of unsurrendered imprest commence the

following month. Another pointer to a moderately effective internal control system was slow debt collection and easy access to debtors records by staff from other departments and that some students did not pay fees in full at the beginning of the semester.

## 4.1.3 Procurement of Goods, Services and Works

The level of effectiveness of the internal control systems governing procurement of goods, services and works was evaluated on a four-point likert scale (1 for Not at All, 2 for Not Aware, 3 for Sometimes, and 4 for All the Time) using 25 indicators relating to procurement in the university. The sample respondents were requested to indicate their individual evaluation of the level of effectiveness of each indicators. Appendix 3 (iii) is a tabulation of the individual responses. Table 3 depicts the overall score and percentage of their responses.

Table 3: Internal controls relating to Procurement of Goods, Services and Works

		Response		
		Total	Percentage	Ranking
	Indicators	raw	score	
		score		
1	Quotations forms are opened by the buyer of	49	61	25
	the particular item in the presence of an			
	auditor			
2	All purchases are made by the purchasing	57	71	24
	department			
3	Purchasing department consults the user	58	73	23
	department to identify possible suppliers			
4	The user department recommends a supplier	58	73	22
	and signs against the recommendations on			
	the Quotation Analysis Form			

5	The quotation forms are recorded in a	62	78	21
	quotation register and sent to the supplier			
	with instructions to deliver the quotations to			
	the purchasing department			
6	Each quotation form is allocated a serial	62	78	20
	number referenced to the quotations register		, 0	
7	The quotations are analyzed by the buyer in	62	78	19
	a Quotations Analysis Form.			-,
8	The duplicate blue copy of the LPO is sent to	64	80	18
	the creditors section to wait payment			10
9	The Senior Supplies Officer is the first	65	81	17
	signatory of the LPO			
10	Purchasing department issues quotations to	65	81	16
	at least three suppliers recommended by the			
	user department			
11	Purchases are made following the procedure	68	85	15
	laid out in the Public Procurement and			
	Disposal Act, 2005			
12	Most purchases are made from the suppliers	68	85	14
	on the Tender Book			
13	DVC (A & F) signs the LPO to authorize the	68	85	13
	purchase			
14	Quotations are obtained from at least three of	70	88	12
Shall to	the pre-qualified suppliers for the purchase			
	of items on quotations			
15	The original white copy of the LPO is	70	88	11
	delivered to the supplier			
16	The triplicate green receiving copy of the	70	88	10
	LPO is sent to the Central Stores to await			
	delivery of items			
2				

17	Use department raises requisition, indicating	71	89	9
	specifications, the suppliers and prices			
18	The university Procurement Committee	71	89	8
	approves the supplier of the items on			
	quotation			
19	Tenders are awarded annually and a Tender	73	91	7
	Book is produced showing details of the			
	suppliers and items to be supplied			
20	The university Procurement Committee	74	93	6
	approves the purchase to be made on			
	quotation			
21	Purchasing department confirms the	76	95	5
	accuracy of the details on the requisition and			
	then processes the LPO			
22	User department raises a requisition for the	76	95	4
	items which are not an tender and takes it to			
	the purchasing department			
23	All requisitions are signed by the heads of	79	99	3
	departments			
24	The requisitions are checked at vote-book	79	99	2
	section for availability of funds			
25	Internal audit check the LPO for compliance	79	99	1
See a	Total score	1694		
_				

Source: Research findings, 2006.

From Table 3 above, the overall score out of the 20 respondents to the 25 indicators to the internal controls relating to procurement of goods, services and works was 1,694 which worked to 0.85 out of a maximum score of 2000.

The responses to each constituent item were scored on a scale of 1, indicating least level of effectiveness, to 4, indicating highest level of effectiveness. The individual item scores were added up to form an overall effectiveness score for each respondent. The respondents' overall score varied between 500, indicating the least overall level of effectiveness, and 2000, indicating the highest overall level of effectiveness. The higher the overall score, the more effective was the internal control system of procurement of goods, services and works, and vice versa.

The indicators of a highly effective internal control system were the budgetary control procedures which were found to be effectively applied as no purchase could proceed if funds were not available. A further indicator of effective internal controls was the approval system seen in that departments requisitions were approved by the Heads of Departments. On the strength of the requisitions, Supplies Department purchased items from suppliers on tender or from pre-qualified suppliers through quotations. The local purchase orders were signed by the Senior Supplies Officer and Deputy Vice Chancellor in charge of Finance and Administration and were checked by Examinations Section of Finance department for accuracy and by Internal Audit department for compliance to the government legislation and the University's regulations.

On the moderately effective controls the respondents reported that there were times when departments made purchases on their own, mainly on emergencies and that at times the Supplies Department did not consult the user department while identifying the possible suppliers for items bought on quotation.

## 4.1.4 Receiving and Storage of items at the Central Stores

The level of effectiveness of the internal control systems governing receiving and storage of items at the central stores was evaluated on a four-point likert scale (1 for Not at All, 2 for Not Aware, 3 for Sometimes, and 4 for All the Time) using 19 indicators relating to receipt and storage of items in the university. The sample respondents were requested to indicate their individual evaluation of the level of effectiveness of each indicators.

Appendix 3 (iv) gives a distribution of their responses. Table 4 depicts the overall score, the percentage and ranking of their responses.

Table 4: Internal controls relating to Receiving and Storage of items at the Central Stores.

		Response			
	-	Total	Percentage	Ranking	
	Indicators	raw	score		
		score			
1	Surprise stock counts are done by the in charge	45	56	19	
	central stores frequently				
2	It is only the clerk in charge of the LPO register	55	69	18	
	and the goods movement daybook who can				
	update the register				
3	Stocks discrepancies between the physical stock	57	71	17	
	and bin card balances are reconciled promptly				
4	Any short-deliveries and items on the goods	60	75	16	
	returned note are deducted from the invoice				
5	Items on the GRNs are returned to the supplier	61	76	15	
	promptly				
6	Staff from other sections have no access to the	61	76	14	
	central stores				
7	A goods movement daybook is maintained at	61	76	13	
	the central stores to record the date items were				
	received or issued, delivery note number or				
	store issue note number, description and				
	quantity of items				
8	The goods movement daybook and the LPOs	61	76	12	
	register are updated as the transactions occur				
	and at the end of the day				

9	Bin cards are maintained for each of the items	61	76	11
	received at the central stores			
10	In charge of central stores signs all the store	63	79	10
	issue notes			
11	Damaged, substandard or wrongly supplied	65	81	9
	items are returned to the supplier through a			
	goods returned note			
12	All purchased items are received at the central	67	84	8
	stores on the strength of the green copy of the			
	LPO and delivery note in the presence of the			
	supplier, storekeeper and a member of staff			
	from the verification section			
13	Staff verifying receipt of items sign against	67	84	7
	appropriate comments on the delivery note in			
	case of short-deliveries or returned items			
14	An LPO register is maintained showing date of	69	86	6
	the LPO, the supplier, the LPO number, items			
	on order, date items delivered and comments			
15	All GRNs are signed by the in charge of the	71	89	5
	central stores			
16	The storekeeper and staff from verification	72	90	4
	section sign the delivery note to confirm that			
40K. 7	goods received are in good condition			
17	The store keeper takes full responsibility of	76	95	3
	items under his/her custody till when they are			
	issued to the department through a store issue			
	note			
18	A good received note is raised for each proper	76	95	2
	item received and accepted			

19	Items are issued out of the central stores on the	77	96	1
	strength of the stores issue note			
	Total score	1225		

Source: Research findings, 2006.

From Table 4 above, the overall score out of the 20 respondents to the 19 indicators to the internal controls relating to receiving and storage of items at the Central Stores was 1225 which worked to 0.81 out of a possible maximum score of 1,520.

The responses to each constituent item were scored on a scale of 1, indicating least level of effectiveness, to 4, indicating highest level of effectiveness. The individual item scores were added up to form an overall effectiveness score for each respondent. The respondents' overall score varied between 380, indicating the least overall level of effectiveness, and 1,520, indicating the highest overall level of effectiveness. The higher the overall score, the more effective was the internal control system of receiving and storage of items at the central stores, and vice versa.

The indicators of a highly effective internal control system were the presence of a clear University policy on receiving, recording, storage and issue of items. The policy specified that all items be received at the Central Stores, witnessed by the user department and staff from the verification unit. The policy further specified that a goods received note be raised at the Central Stores for each proper item received and a stores issue note for each item leaving the Central Stores. To further strengthen this was the requirement that all payments to suppliers, or surrender of imprest, were supported by a Goods Received Note which was raised at the Central Stores on receipt of the goods. Another indicator of a highly effective internal control system was the approval and authorization procedures. The goods received notes and the stores issue notes were signed by the staff in charge of the Central Stores.

There were controls that were reported to be moderately effective such as surprise stock count which was not done frequently.

#### 4.1.5 Suppliers' records and payments for goods, services and works

The level of effectiveness of the internal control systems governing suppliers' records and payments for goods, services and works was evaluated on a four-point likert scale (1 for Not at All, 2 for Not Aware, 3 for Sometimes, and 4 for All the Time) using 17 indicators relating to suppliers' records in the university. The sample respondents were requested to indicate their individual evaluation of the level of effectiveness of each item. Appendix 3 (v) depicts the distribution of their responses. Table 5 gives the overall score, percentage and ranking of their responses.

Table 5: Internal controls relating to Suppliers' Records and payments for goods, services and works

		Total	raw	Percentage	Rank
	Indicators	score		score	
1	All the invoices received are entered on	47		59	17
	the data entry sheets for processing in				
	computer section				
2	A bank reconciliation is done monthly,	54		68	16
	two weeks after the end of the month of				
	the transactions				
3	Reconciling items are investigated and	54		68	15
	adjusted promptly				
4	Creditors ledgers are maintained to record	58		73	14
	the invoices received and payments made				

5	It is only the messenger in the cash office who takes the cheques to the processing	56	70	13
	offices			
6	The cash book and the bank reconciliation	58	73	12
	are checked by the accountant in charge of			
	cash office			
7	A documents movement register is	62	78	11
	maintained to keep track of all documents			
	received and released			
8	Cheque books for use are issued to the	62	78	10
	accountant in charge of the cash office			
	only			
9	Paid vouchers are recorded in a cash	65	81	9
	book, against the cheque, and allocated a			
	serial number which follows in a sequence			
10	An LPO register is maintained to record	66	83	8
	each LPO received and each invoice			
	received against the LPO and the payment			
11	Creditors statements are produced and	66	83	7
	reconciled with the statements received			
	from the suppliers			
12	Payment vouchers are checked in the	70	88	6
	examination section for proper supporting			
	documents and mathematical accuracy			
13	Cheques are raised against the payment	71	89	5
	voucher in the cash office section			
14	Internal audit check the payment voucher	71	89	4
	and supporting documents for compliance			
	to the laid down procedures			

15	Every payment voucher is supported by	72	90	3
	documents such as invoices, delivery			
	notes, departmental requisition, GRNs,			
	blue copy of the LPO, payroll, imprest			
	form, salary advance form and expense			
	claims			
16	The cheque is taken to the cash office	72	90	2
	section for recording in the cheques			
	disbursement register			
17	The payee signs on the cheque	73	91	1
	disbursements register when collecting the			
	cheque			
	Total score	1077		

Source: Research findings, 2006.

From Table 5 above, the overall score out of the 20 respondents to the 17 indicators to the internal controls relating to the supplier's records and payment for goods, services and works was 1,077 which works to 0.79 out of a possible total score of 1,360. The responses to each constituent item were scored on a scale of 1, indicating least level of effectiveness, to 4, indicating highest level of effectiveness. The individual item scores were added up to form an overall effectiveness score for each respondent. The respondents' overall score varied between 340, indicating the least overall level of effectiveness, and 1360, indicating the highest overall level of effectiveness. The higher the overall score, the more effective was the internal control system of suppliers' records and payments for goods, services and works, and vice versa.

The internal controls were reported to be effective in the cheque processing system. Each cheque was raised against a payment voucher which had supporting documents namely delivery notes, departmental requisition, goods received notes, blue copy of local purchase order, payroll, imprest form, salary advance form or claim form. The cheques

released were recorded in a Cheques Disbursements Register. The checking and vetting procedures carried out by Examinations section of Finance Department and Internal Audit Department was reported to strongly support an effective internal control system.

### 4.1.6 Custody of cash and Accountable Documents

The level of effectiveness of the internal control systems governing custody of cash and accountable documents was evaluated on a four-point likert scale (1 for Not at All, 2 for Not Aware, 3 for Sometimes, and 4 for All the Time) using 21 indicators relating to cash management in the university. The sample respondents were requested to indicate their individual evaluation of the level of effectiveness of each indicators. Appendix 3 (vi) shows the distribution of their responses. Table 6 depicts the overall score and the percentages of their responses.

Table 6: Internal controls relating to Custody Cash and Accountable Documents

	**	Response		
		Total raw score	Percentage score	Rank
	Indicators			
1	Staff who have access to accounting	46	58	21
	records are prohibited from receiving			
	unopened mail			
2	A cashier receiving cash does not	52	65	20
	handle petty cash nor record the			
	transaction in the cash book			
3	The deposit of cash is done by a person	52	65	19
	separate from the cash collecting			
	cashier			

4	The cash and banking book is	52	65	18
	reconciled at the close of the day,			
	checked and signed by a senior			
	management personnel			
5	A petty cashier has no access to receipt	54	68	17
	of cash			
6	A cash and banking book is maintained	59	74	16
	to record all cash received and all cash			
	banked on a daily basis			
7	Encashment of cheques out of petty	59	74	15
	cash is not permitted			
8	Payment of IOUs out of petty cash is	62	78	14
	not permitted			
9	The cash received is safely kept in a	63	79	13
	safe			
10	Unused accountable documents	63	79	12
	registers are maintained to account for			
	all the unused cheques received from			
	the banks and other accountable			
	documents purchased			
11	Unused accountable documents are	63	79	11
	accessible only to staff in whose			
4. 1940	custody they are			
12	Unused accountable documents are	64	80	10
	stored in a strong room			
13	Each department has a petty cash float	71	89	9
14	Only designated receiving cashiers are	72	90	8
	authorized to receive cash			

15	Receiving cashiers assume full	72	90	7
	responsibility for the cash received			
	from the time they are received until			
	they hand them over for banking			
16	A receipt issued for each cash received	74	93	6
17	Petty cash is reimbursed after the	75	94	. 5
	previous amount is exhausted			
18	Petty cash books are checked every	75	94	4
	time there is a request for the			
	reimbursement of the petty cash			
19	Petty cash books are maintained to	77	96	3
	record all cash received and all			
	payments made out of the petty cash			
20	The head of the department approves all	77	96	2
	petty cash vouchers			
21	A petty cash payment voucher is	78	98	1
	supported by a receipt(s)			
	Total score	1360		

Source: Research findings, 2006.

From the Table 6 above, the overall score out of the 20 respondents to the 21 indicators to the internal controls relating cash and accountable documents was 1,360 which worked to 0.81 out of a possible maximum score of 1,680.

The responses to each constituent item were scored on a scale of 1, indicating least level of effectiveness, to 4, indicating highest level of effectiveness. The individual item scores were added up to form an overall effectiveness score for each respondent. The respondents' overall score varied between 420, indicating the least overall level of effectiveness, and 1,680, indicating the highest overall level of effectiveness. The higher

the overall score, the more effective was the internal control system of cash and accountable documents, and vice versa.

Among the indicators of a highly effective internal control system were approval and authorization procedures which was seen in that chairmen of departments approved all petty cash payments. Safe custody of accounting documents was seen in that the documents were stored in a safe office and there were records of receipt and issues of the documents for use. Proper records like cash books and petty cash books were kept.

Indicators of the system as moderately effective were reported under segregation of duties between the receiving and paying cashier where it was indicated that the receiving cashier could at times pay eash. Also the any of the cashiers could write the cash books or do banking.

## 4.1.7 Budgetary Control.

The level of effectiveness of the internal control systems governing budgetary control was evaluated on a four-point likert scale (1 for Not at All, 2 for Not Aware, 3 for Sometimes, and 4 for All the Time) using 4 indicators relating to budget in the university. The sample respondents were requested to indicate their individual evaluation of the level of effectiveness of each indicators. Appendix 3 (vii) depicts the distribution of their responses. Table 7 shows the overall score, percentages and ranking of the responses to each indicator.

Table 7: Internal controls relating to Budgetary Control procedures

	Total	raw	Percentage	Rank	
Indicators	Score		score		-
A vote-holder who exceeds the budgetary	52		65	4	
allocation in a particular period is asked					
to give an explanation					

2	Expenditures above the budget allocation	62	78	3	
	are returned to department				
3	Expenditures out of the budget allocations are processed through votebook section	66	83	2	,
4	The university council approves budgetary estimates and allocations	71	89	1	
	Total score	251			

Source: Research findings, 2006.

From Table 7 above, the overall score out of the 20 respondents to the 4 indicators to the internal controls relating to budgetary control procedures was 251 which was 0.78 out of a possible maximum score of 320.

The responses to each constituent item were scored on a scale of 1, indicating least level of effectiveness, to 4, indicating highest level of effectiveness. The individual item scores were added up to form an overall effectiveness score for each respondent. The respondents' overall score varied between 80, indicating the least overall level of effectiveness, and 320, indicating the highest overall level of effectiveness. The higher the overall score, the more effective was the internal control system of budgetary control, and vice versa. The overall score was later coded into three ordinal categories in order to differentiate between the levels of effectiveness of the internal control system as assessed by the respondents.

The indicators of a highly effective internal control system relating to budgetary control were the approval by the University Council of the budgetary estimates and allocations. At the moderately effective level were that the departments who exceeded their budgetary allocations were not required to give an explanation.

#### 4.1.8 Custody and disposal of assets

The level of effectiveness of the internal control systems governing custody and disposal of assets was evaluated on a four-point likert scale (1 for Not at All, 2 for Not Aware, 3 for Sometimes, and 4 for All the Time) using 10 indicators relating to assets in the university. The sample respondents were requested to indicate their individual evaluation of the level of effectiveness of each indicators. Appendix 3 (xiv) gives the distribution of their responses. Table 8 depicts the overall score and percentages of their responses.

Table 8: Internal controls relating to Custody and Disposal of Assets

		Response			
		Total raw	Percenta	Rank	
	Indicators	score	ge score		
1	Physical inventory stock taking exercise is supervised by an	55	69	10	
	independent person				
2	Inventory records maintained are not accessible to individuals	59	74	9	
	other than those who are in charge of the assets or inventories				
3	Departments identify any damaged, obsolete or excess assets	64	80	8	
	and inventories within their custody and return them to the				
	central stores through a memorandum				
4	The difference between the physical stock and the book record	64	80	7	
	of asset and inventories are reconciled promptly				
5	Central stores, with the help of the technical staff, separate the	66	83	6	
	items returned from the departments into scrap and reusable				
	categories				
6	Assets and inventories are kept under the strict control of a	66	83	5	
	few designated employees				
7	The university's board of survey examines the items and	69	86	4	
	makes recommendations for their disposal or transfer				
	makes recommendations for their disposal or transfer				

8	Assets and inventories are issued against a stores issue note	71	89	3
	authorized by the in charge central stores			
9	Assets and inventories are recorded as they are received	73	91	2
10	Physical inventory of stocks is taken annually	75	94	1
	Total score	662		

Source: Research findings, 2006.

From Table 8 above, the overall score out of the 20 respondents to the 10 indicators to the internal controls relating to custody and disposal of assets was 662 which was 0.83 out of a possible maximum score of 800.

The responses to each constituent item were scored on a scale of 1, indicating least level of effectiveness, to 4, indicating highest level of effectiveness. The individual item scores were added up to form an overall effectiveness score for each respondent. The respondents' overall score varied between 200, indicating the least overall level of effectiveness, and 800, indicating the highest overall level of effectiveness. The higher the overall score, the more effective was the internal control system of custody and disposal of assets, and vice versa.

The strong indicators of a highly effective system relating to custody and disposal of assets were the safe custody of the assets which were kept under strict control of a few designated employees. The records keeping and the issuance of assets through a stores issue note were further indicators of highly effective internal controls. The disposal of assets was done through a process of identification of items for disposal by the departments and approval for disposal by a Board of Survey. As was the case in the procurement of goods, services and works, the Governments legislation in the Public Procurement and Disposal Act, 2005 served to enhance the effectiveness of the internal controls.

#### 4.1.9 Overall effectiveness of control system.

Overall effectiveness of internal control systems reported by the respondents was then computed by summing up the above eight dimension scales. The overall score varied between 153, indicating the least overall level of effectiveness, and 612, indicating the highest overall level of effectiveness. The higher the score, the more effective was the internal control systems of the university, and vice versa. Table 9 shows the minimum and the maximum scores for the eight dimensions of the level of effectiveness of internal controls.

Table 9: Minimum and maximum scores of the level of effectiveness of internal controls.

	Dimension	Indicators	Minimum score	Maximum score
1	Staff recruitment and payment of wages and salaries	22	22	88
2	Information on debtors	35	35	140
3	Procurement of goods, services and works.	25	25	100
4	Receiving and storage of items at the Central Stores	19	19	76
5	Supplier's records and payment for goods, services and works.	17	17	68
6	Custody of cash and accountable documents	21	21	84
7	Budgetary control procedures	4	4	16
8	Custody and disposal of assets	10	10	40
	Total	153	153	612

N = 20

Source: Research findings.

The overall score was later coded into three ordinal categories in order to differentiate between the levels of effectiveness of internal control systems among the sample respondents and included 153-305 (less); 306-459 (moderate) and 460-612 (high). Table 10 depicts the distribution of the overall level of effectiveness of internal control systems among the sample population

Table 10 Overall level of effectiveness of the internal control system

Level of effectiveness	Frequency	Percent
Less	0	0.0
Moderate	6	30.0
High	14	70.0
Total	20	100.0

Source: Research findings.

From the table, 70.0 percent of the respondents reported that the internal control systems governing university financial operations were highly effective in the university. This suggests that in the overall the University has put in place policies for the implementation of the internal controls and mechanisms to ensure adherence to the established internal controls set up by both the University and the legislation by the Government. The mechanisms include establishing departments with the responsibility to implement the internal controls. Such departments include Finance, Supplies. It has also set up monitoring units which include Internal Audit Department, Procurement Committee and the committees of the University Council such as Tender Committee, Audit and Governance Committee, Staff Development Committee.

## 4.2 Testing hypothesis.

Objective two was to be tested using the null hypothesis which stated that "there is no significant difference in the evaluation of the level of effectiveness of the internal control systems between academic and non-academic departments in Egerton University". The

independent sample t-test was used to determine whether the difference in the evaluation of the effectiveness mean scores between the two samples (academic and non-academic departments) was significant or not. For t-test to be used, the grouping variable (departments in the university) should be nominal or ordinal variable, while the test variable (effectiveness of the internal control system) should be interval or continuous variable (actual scores). Table 11 depicts the output for the t-test.

Table 11 T-Test Comparing the evaluation of the effectiveness of internal control system by category of departments

Category	of	N	Effectiveness	Standard	Mean	t-value	Sig.	(2
department			mean scores	deviation	difference		tailed)	
Non-academic		12	512.25	53.45	51.50	2.046	0.036	
Academic		8	460.75	57.73				

N = 20

Source: Research findings.

$$F = .282$$
  $p = 0.026$ 

Since p value < 0.05 for both t and F values, we reject the null hypothesis two that suggested that "there is no significant difference in the evaluation of the level of effectiveness of the internal control systems between academic and non-academic departments in Egerton University". Non-academic department recorded higher effectiveness mean scores (M = 512.25, SD = 53.45) than academic departments (M = 460.75, SD = 57.3). This suggests that the evaluation of the effectiveness of the internal control systems in the university depend on the category of the department. The above results were also corroborated by chi-square test. Chi-square is used to compare the frequency of two or more unrelated samples or categories of variables. It is preferred when dealing with variables that have been categorized for example departments (academic and non-academic), and level of effectiveness of the internal control systems (less, moderate and high). Table 12 shows a cross tabulation of the evaluation of the level of effectiveness of the internal control system by category of department.

Table 12: Chi-square test comparing the evaluation of the level of effectiveness of the internal control system by category of department

Response (%)		Category of department	Total		
		Non-academic (Administrative)	Academic		
Level of	Moderate	1	5	6	
effectiveness		8.3%	62.5%	30.0%	
	High	11	3	14	
		91.7%	37.5%	70.0%	
Total	,	.12	8	20	

Source: Research findings.

$$\chi^2 = 6.706$$
  $p = .010$   $df = 1$ 

Table 12, suggests that it is likely for there to be a significant difference in the evaluation of the level of effectiveness of the internal control systems between academic and non-academic departments in Egerton University. It can be observed that majority (91.7 percent) of the respondents from non-academic departments considered the internal control systems as more effective while majority (62.5 percent) of the academic departments' respondents viewed them as moderately effective. This is further supported by the chi-square statistic,  $\chi^2$  (1, 20) = 6.706, p < 0.05, suggesting that there is a significant difference in the evaluation of the level of effectiveness of the internal control systems between academic and non-academic departments in Egerton University.

#### CHAPTER FIVE: CONCLUSIONS AND RECOMMENDATIONS.

#### 5.1 Conclusions.

The respondents indicated an overall 70 percent effectiveness of the internal control systems in Egerton University. This suggests that in the overall the University had put in place internal controls and mechanisms to ensure adherence to the established controls set up by the University and the legislation by the Government. Such mechanisms included establishing departments with the responsibility to implement the internal controls as they carry out the financial processes. Such departments included Finance, Supplies and Personnel departments with their various sections namely Cash Office Section, Salaries Section, Computer Section, Debtors Section, Creditors Section, Examinations Section, Final Accounts Section, Students Finance Section, and Income Generation Section. Supplies department had Central Stores, Sub-stores, Verification Section, Purchasing Sections. Finance Department was vested with the responsibility to ensure accountability for all the university's assets. Supplies Department was vested with the responsibility to procure all items for the University. The University had also set up monitoring units to ensure compliance to the laid down internal controls. These were Internal Audit Department, Procurement Committee and the committees of the University Council such as Tender Committee, Audit and Governance Committee, Staff Development Committee.

The study also indicated that there was a significant difference in the evaluation of the effectiveness of the internal controls between the academic and non-academic departments. The non-academic departments evaluated the internal controls as highly effective while the academic departments concluded they were moderately effective. This can be attributed to the stage at which the departments are exposed to the internal controls. Two stages can be identified in the application of the internal controls. A user/department applied the internal controls when using it to obtain something be it cash, an item, a service, works, staff. For instance, in applying for additional staff, a user/department applies the internal control relating to staff recruitment by making a written request to Deputy Vice Chancellor in charge of administration and finance. An

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internal control is also applied when it was used to check whether the user/department has complied with the internal controls. For instance, before recruiting additional staff, Personnel Department will check for Deputy Vice Chancellor in charge of administration and finance's approval. Non-academic departments were exposed to the internal controls both at both levels of the application, that was when they required to obtain something be it cash, an item, a service, works, staff and when carrying out the financial processes or checking for compliance. On the other hand, the academic departments applied the internal controls when obtaining cash, an item, a service, works, or additional staff.

#### 5.2 Recommendations.

Due to the significant difference in the evaluation of the effectiveness of the internal controls between the academic and non-academic departments there is need for the University to come up with a program with the aim to sensitize departments on the internal controls. Sensitization can be achieved through production of Procedures Manuals detailing the internal control procedures in each of the units which process the financial transactions or are involved in the process of checking compliance to the internal controls. This includes sections in Finance, Procurement, Personnel, Medical, Transport, Catering, Estates Departments and all Income Generating Units.

#### 5.3 Suggestions for further research.

Among the initial objectives of this study was to establish factors that influence the effectiveness of the internal control systems. The respondents did not respond to the open ended part in the questionnaire that would have served to establish the factors. A study to establish the factors that influence the effectiveness of internal controls can be carried out, using an open ended questionnaire.

This study evaluated the effectiveness of the internal control system relating to financial management in the University. An evaluation of the effectiveness of the internal control system relating to management of academic systems would yield good results.

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## **APPENDICES**

## APPENDIX 1 COVERING LETTER.

I shall be grateful to receive your favourable response.

	Date
I am a post graduate student at Egerton University	y studying for a masters degree in
Business Administration. I am now undertaking a re-	esearch project, which is part of the
requirements for the program. My research is on	' The effectiveness of the internal
control system in management of finances in publi	c universities in Kenya: A case of
Egerton University'.	
I kindly request you to assist me in data collection attached. The information you give will be treated results of the research will be for academic purposes of	with utmost confidentiality and the

#### APPENDIX 2 LETTER OF AUTHORITY.

P O Box 536 EGERTON

-10-2			

# RE: AUTHORITY TO USE THE UNIVERSITY'S ACCOUNTING RECORDS FOR MBA PROJECT

I am a post graduate student at Egerton University studying for a masters degree in Business Administration. I am now undertaking a research project which is part of the requirements for the programme. My research is on 'The effectiveness of the internal control system in management of finances in public universities in Kenya: A case of Egerton University'.

I am writing to seek your authority to enable me to collect data for the purposes of the research from the university's accounting records.

I shall be grateful to receive your quick response.

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## APPENDIX 3: TABLES OF LEVEL OF EFFECTIVENESS.

Appendix 3 (i): The level of effectiveness in Staff recruitment and payment of wages and salaries

		Response						
		Total	All	Sometimes	Not	No		
	Indicators	raw	the		aware	at		
		score	time			all		
1	Staff in computer section have no access	49	49	9	22	2		
	to the PCAs in the salaries section							
2	A senior accountant confirms	55	24	12	18	1		
	mathematical accuracy of the payroll							
	schedule before authorizing for cheques							
	to be raised							
3	The clerk makes a monthly wages	58	42	6	6	0		
	summary at the end of the month for each							
	casual worker showing the details of the							
	worker, number of hours worked,							
	applicable hourly rate, and wages payable							
4	Personnel section checks the request by	62	36	15	0	1		
	departments against the organization							
	structures							
5	Staff from other sections have no access	62	36	12	14	0		
	to the computer section							
6	Personnel section check the printout of	63	44	3	16	0		
	changes to the payroll against the PCA							
	issued for the month							
7	R(A) signs the letter of authority for	64	40	12	10	0		
	department to hire casual workers							

Short-listing is done by a panel made up	65	32	27	2	0
of personnel, the respective department					
and a representative from the senate					
A committee under the RA deliberates on	65	40	15	2	0
department request to hire casual workers					
and approves, rejects or amends the					
request					
The clerk enters the details of the hours	67	52	9	6	0
worked, as recorded on the daily work					
records, on the muster roll					
Job advertisement made for any vacant	68	36	30	10	0
position to be filled *					
Changes to the payroll are made on the	68	56	3	8	1
strength of a PCA only					
The monthly wages summary is approved	69	52	9	10	2
by the head of the department					
Personnel section issues a schedule for	70	52	12	6	0
new rates of pay for annual increments					
and any pay changes affecting all					
employees across the board					
Department makes written requests to	71	44	27	2	0
DVC (A & F) for additional employees					
Interviews are conducted by a panel	71	52	15	6	0
chaired by the chairman of the university					
for academic and senior administrative					
staff and DVC (A & F) for all other					
categories					
A daily work record is maintained by the	61	56	9	12	0
supervisor for each causal worker					

Calarias andian alreals the soul!	71	(0	2	-	0
Salaries section check the workings on	/1	60	3	6	0
the monthly wages summary					
Wages are paid at the cash office with the	71	36	27	8	0
assistance of the supervisor					
Letters of appointment are signed by the	72	64	6	4	2
registrar administration $-R(A)$					
Personnel records are maintained	73	64	6	0	1
showing their terms and conditions of					
services					
Personnel section raise PCAs to finance	76	72	0	4	0
department for new employees showing					
effective date of payment, rate of the					
or dismissal					
	1461	1006	267	178	10
	the monthly wages summary  Wages are paid at the cash office with the assistance of the supervisor  Letters of appointment are signed by the registrar administration – R(A)  Personnel records are maintained showing their terms and conditions of services  Personnel section raise PCAs to finance	Wages are paid at the cash office with the 71 assistance of the supervisor  Letters of appointment are signed by the 72 registrar administration – R(A)  Personnel records are maintained 73 showing their terms and conditions of services  Personnel section raise PCAs to finance 76 department for new employees showing effective date of payment, rate of the basic pay and other allowances and for change of pay on promotion, retirement or dismissal	the monthly wages summary  Wages are paid at the cash office with the 71 36 assistance of the supervisor  Letters of appointment are signed by the 72 64 registrar administration – R(A)  Personnel records are maintained 73 64 showing their terms and conditions of services  Personnel section raise PCAs to finance 76 72 department for new employees showing effective date of payment, rate of the basic pay and other allowances and for change of pay on promotion, retirement or dismissal	the monthly wages summary  Wages are paid at the cash office with the 71 36 27  assistance of the supervisor  Letters of appointment are signed by the 72 64 6  registrar administration – R(A)  Personnel records are maintained 73 64 6  showing their terms and conditions of services  Personnel section raise PCAs to finance 76 72 0  department for new employees showing effective date of payment, rate of the basic pay and other allowances and for change of pay on promotion, retirement or dismissal	the monthly wages summary  Wages are paid at the cash office with the 71 36 27 8 assistance of the supervisor  Letters of appointment are signed by the 72 64 6 4 registrar administration – R(A)  Personnel records are maintained 73 64 6 0 showing their terms and conditions of services  Personnel section raise PCAs to finance 76 72 0 4 department for new employees showing effective date of payment, rate of the basic pay and other allowances and for change of pay on promotion, retirement or dismissal

Source: Research findings, 2006

Appendix 3 (ii): The level of effectiveness in Information on debtors' records

		Response					
A publicati	Iindicators	Total raw score	All the time	Some	Not aware	Not at	
1	Imprest is surrendered within 48 hours of the completion of the activity for which it was taken.	27	0	27	0	0	
2	Follow up of debts done by IGU department	46	0	24	22	0	

3	Staff get salary advance up to a	47	12	9	24	2
	maximum of three times in a calendar					
	year.					
4	Staff from other departments have no	48	16	12	16	4
	access to debtors section					
5	A salary advance is charged interest at	48	20	3 .	22	3
	the commercial bank rates					
6	All collections from the credit sales	50	4	30	14	2
	are collected thirty days after the					
	invoice date					
7	A goods inwards returns note is	50	20	6	22	2
	maintained for the goods returned by					
	customers					
8	Imprest which is not surrendered by	51	4	39	4	4
	the 10 <sup>th</sup> of the following month is					
	recovered from the salary of the					
	month					
9	Students pay fees in full at the	53	4	42	4	3
	beginning of the semester					
10	A debtors ledger is maintained in IGU	53	24	9	18	2
	department					
11	A salary advance is recovered in three	54	20	15	18	1
*	monthly installments starting from the					
L. problems	month that it is advanced or the					
	following month if the advance is					
	taken after the payroll entries have					
	been closed					
12	The imprest forms for the staff who	56	4	48	2	2
	have not surrendered previous					
	imprests are returned to the applicant					

13	A register of goods returned is	56	28	6	22	0
	maintained to support the short-credit					
	invoice					
14	A normal salary advance is up to a	57	28	9	20	0
	maximum of one month's salary net of					
	statutory deductions					
15	Items for sale on credit are authorized	57	28	12	16	1
	by the farm manger or head of					
	department against the request					
	document by the credit customers					
16	Sales on credit are given only to	60	28	18	14	0
	customers who have been assessed					
	and found to be creditworthy					
17	Staff members fill salary advance	62	48	0	12	2
	forms before they can get salary					
	advance					
18	Debtors section record the salary	62	44	0	18	0
	advance as a debtor					
19	The delivery note is signed by the	62	36	15	10	1
	farm manager or head of department					
20	The invoice is signed by the farm	63	36	18	8	1
	manager or head of department					
21	Imprest forms for expenditures whose	64	40	15	8	1
, the	votes are exhausted are returned to the					
	respective departments					
22	The imprest form is checked at the	64	36	21	6	1
	debtors section to confirm all previous					
	imprest have been surrendered and					
	record the transaction					
			-			

23 The salary advance form is checked in 64 40 salaries section to avoid over-commitment of the salary  24 The salary advance form is supervised 64 44	12						
commitment of the salary		12	0				
*							
24 The salary advance form is supervised 64 44							
	6	14	0				
by DVC (A & F)							
25 A delivery note is raised for every 64 40	12	12	0				
delivery note							
26 An invoice is raised for every delivery 66 48	6	12	0				
note							
27 Salaries section records the salary 68 56	0	12	0				
advance for recovery							
28 Students deposit fees in the university 73 64	3	6	0				
bank account and submit the deposit							
slip to cash office for issuance of the							
receipt							
29 The imprest form is approved by the 74 60	12	2	0				
dean in case of academic faculties or							
the DVC for non-academic							
departments							
30 A pay change advice is raised in 76 72	0	4	0				
personnel department							
	13	10	1				
31 Tuition fees and accommodation 76 52	charges are received against the letter						
charges are received against the letter							
charges are received against the letter	15	20	1				
charges are received against the letter of admission	15	20	1				
charges are received against the letter of admission  32 A students ledger is maintained in a 76 40	15	20	1				
charges are received against the letter of admission  32 A students ledger is maintained in a 76 40 computer programme							
charges are received against the letter of admission  32 A students ledger is maintained in a 76 40 computer programme  33 The imprest is committed at vote-book 78 72							

				2	0	^
34	The imprest form is signed by the	79	76	3	0	0
	chairman of the department to					
	authorize expenditure from the					
	department's vote					
35	Staff apply for imprest by filling the	80	80	0	0	0
	imprest form					
		2128	1224	466	404	34

Source: Research findings, 2006

Appendix 3 (iii): The level of effectiveness in Procurement of Goods, Services and Works

		Response				
	54	Total	All the	Sometim	Not aware	Not at all
	Indicators	raw	time	es		
		score				
1	Quotations forms are opened by	49	24	9	14	2
	the buyer of the particular item in					
	the presence of an auditor					
2	All purchases are made by the	57	24	24	6	3
	purchasing department					
3	Purchasing department consults	58	28	21	6	3
A. year	the user department to identify					
Sec. 1	possible suppliers					
4	The user department recommends	58	24	24	8	2
	a supplier and signs against the					
	recommendations on the quotation					
	analysis form					

5	The quotation forms are recorded	62	40	9	12	1
	in a quotation register and sent to					
	the supplier with instructions to					
	deliver the quotations to the					
	purchasing department					
6	Each quotation form is allocated a	62	36	12	14	0
	serial number referenced to the	02		12		
	quotations register					
7	The quotations are analyzed by the	62	40	9	12	1
,	buyer in a Quotations Analysis	02	40	9	12	1
	Form.					
8	The duplicate blue copy of the	61	48	3	12	1
0	LPO is sent to the creditors section	04	40	3	12	1
	to wait payment			0	-10	
9	The senior supplies officer is the	65	44	9	12	0
	first signatory of the LPO					
10	Purchasing department issues	65	40	21	2	2
	quotations of at least three					
	suppliers recommended by the				•	
	user department					
11	Purchases are made following the	68	40	24	4	0
	procedure laid out in the Public					
*	Procurement and Disposal Act,					
merk on	2005					
12	Most purchases are made from the	68	44	18	6	0
	suppliers on the tender book					
13	DVC (A & F) signs the LPO to	68	52	6	10	0
	authorize the purchase					
14	Quotations are obtained from at	70	48	18	4	0
	least three of the pre-qualified					

7.4						
	suppliers for the purchase of items					
	on quotations					
15	The original white copy of the	70	60	0	10	0
	LPO is delivered to the supplier					
16	The triplicate green receiving copy	70	60	0	10	0
	of the LPO is sent to the central					
	stores to await delivery of items					
17	User department raises requisition,	71	52	18	0	1
	indicating specifications, the					
	suppliers and prices					
18	The university procurement	71	56	9	6	0
	committee approves the supplier of					
	the items on quotation					
19	Tenders are awarded annually and	73	60	9	4	0
	a tender book is produced showing					
	details of the suppliers and items					
	to be supplied					
20	The university procurement	74	64	6	4	0
	committee approves the purchase					
	to be made on quotation					
21	Purchasing department confirms	76	68	6	2	0
	the accuracy of the details on the					
*	requisition and the processes of					
Con Name	LPO					
22	User department raises a	76	64	12	0	0
	requisition for the items which are					
	not on tender and takes it to the					
	purchasing department					2
23	All requisitions are signed by the	79	76	3	0	0
	heads of departments					

24	The requisitions are checked at	79	76	3	0	0
	vote-book section for availability of funds					
25	Internal audit check the LPO for	79	68	3	8	0
	compliance					
	Total score	1694	1232	279	168	15

Source: Research findings, 2006.

Appendix 3 (iv): The level of effectiveness in Receiving and Storage of items at the Central Stores.

	ė.	Respon	se			
	Items/indicators	Total raw score	All the time	Sometimes	Not aware	Not at all
1	Surprise stock counts are done by the in charge central stores frequently	45	12	12	20	1
2. *. mark. as	It is only the clerk in charge of the LPO register and the goods movement daybook who can update the register	55	20	15	20	0
3	Stocks discrepancies between the physical and bin card balances are reconciled promptly	57	20	21	16	0

4	Any short-deliveries and	60	32	12	16	0
	items on the goods					
	returned note are					
	deducted from the					
	invoice					
5	Items on the GRNs are	61	28	21	12	0
	returned to the supplier					
	promptly					
6	Staff from other sections	61	36	12	12	1
	have no access to the					
	central stores					
7	A goods movement	61	36	9	16	0
	daybook is maintained					
	at the central stores to					
	record the date items					
	were received or issued,					
	delivery note number or					
	store issue note,					
	description and quantity					
	ofitems					
8	The goods movement	61	32	15	14	0
	daybook and the LPOs					
**	register are updated as					
*	the transactions occur					
	and at the end of the day					
9	Bin cards maintained for	61	40	9	12	0
	each of the items					
	received at the central					
	stores					

10	In charge of central	63	36	15	12	0	
	stores signs all the store						
	issue notes						
11	Damaged, substandard	65	40	15	10	0	
	or wrongly supplied						
	items are returned to the						
	supplier through a goods						
	returned note						
12	All purchased items are	67	48	12	6	1	
	received at the central						
	stores on the strength of			•			
	the green copy of the						
	LPO and delivery note						
	in the presence of the						
	supplier, storekeeper						
	and a member of staff						
	from the verification						
	section						
13	Staff verifying receipt of	67	44	15	6	2	
	items sign against						
	appropriate comments						
	on the delivery note in						
*	case of short-deliveries						
8 -	or returned items						
14	An LPO register is	69	56	3	10	0	
	maintained showing						
	date of the LPO, the						
	supplier, the LPO						
	number, items on order,						
	date items delivered and						
	comments						

15	All GRNs are signed by	71	52	15	4	0
	the in charge of the					
	central stores					
16	The storekeeper and	72	60	6	6	0
	staff from verification					
	section sign the delivery					
	note to confirm that					
	goods received are in					
	good condition					
17	The store keeper takes	76	72	0	4	0
	full responsibility of					
	items under his/her					
	custody till when they					
	are released to the					
	department through a					
	store issue note					
18	A good received note is	76	68	6	2	0
	raised for each proper					
	item received and					
	accepted					
19	Items are issued out of	77	72	3	2	0
	the central stores on the					
	strength of the stores					
	issue note					
	×	1225	804	216	200	5

Appendix 3 (v): The level of effectiveness in Suppliers' Records and payments for goods, services and works

		Respon	ıse			
		Total	All	Sometim	Not	Not at all
	Indicators	raw	the	es	aware	
		score	time			
1	All the invoices received are	47	12	6	28	0
	entered on the data entry					
	sheets for processing in					
	computer section					
2	A bank reconciliation is done	54	24	6	24	0
	monthly, two weeks after the					
	end of the month of the					
	transactions					
3	Reconciling items are	54	24	6	24	0
	investigated and adjusted					
	promptly					
4	Creditors ledgers are	58	32	6	20	0
	maintained to record the					
	invoices received and					
	payments made					
5	It is only the messenger in the	56	20	21	14	1
	cash office who takes the					
	cheques to the processing					
	offices					
6	The cash book and the bank	58	36	0	22	0
	reconciliation are checked by					
	the accountant in charge of					
	cash office					

7	A documents movement	62	40	6	16	0
,	register is maintained to keep	02	40	O	10	O
	track of all documents					
	received and released					
8	Cheque books for use are	62	40	6	16	0
	issued to the accountant in					
	charge of the cash office only					
9	Paid vouchers are recorded in	65	48	3	14	0
	a cash book, against the					
	cheque, and allocated a serial					
	number which follows in a					
	sequence in the cashbook					
10	An LPO register is maintained	66	40	12	14	0
	to record each LPO received					
	and each invoice received					
	against the LPO and the					
	payment					
11	Creditors statements are	66	40	24	0	2
	produced and reconciled with					
	the statements received from					
	the suppliers					
12	Payment vouchers are checked	70	56	6	8	0
	in the examination section for					
	proper supporting documents					
	and mathematical accuracy					
13	Cheques are raised against the	71	60	3	8	0
	payment voucher in the cash					
	office section					
	<u> </u>					-

14	Internal audit check the payment voucher and supporting documents for compliance to the laid down procedures	71	60	3	8	0
15	Every payment voucher is supported by documents such as invoices, delivery notes, departmental requisition, GRNs, blue copy of the LPO, payroll, imprest form, salary advance form and expense claims	72	64	0	8	0
16	The cheque is taken to the cash office section for recording in the cheques disbursement register	72	64	0	8	0
17	The payee signs on the cheque disbursements register when collecting the cheque	73	60	9	4	0
	Total score	1077	720	117	236	4

Appendix 3 (vi): The level of effectiveness in Custody Cash and Accountable Documents

		Respons	se			
	_	Total	All	Som	Not aware	Not at
	Indicators	raw	the	etim		all
		score	time	es		
1	Staff who have access to	46	8	9	28	1
	accounting records are					
	prohibited from receiving					
	unopened mail					
2	A cashier receiving cash does	52	20	9	22	1
	not handle petty cash nor					
	record the transaction in the					
	cash book					
3	The deposit of cash is done by		20	9	22	1
	a person separate from the cash	52				
	collecting cashier					
4	The cash and banking book is	52	12	18	22	0
	reconciled at the close of the					
	day, checked and signed by a					
	senior management personnel					
5	A petty cashier has no access	54	20	12	22	0
	to receipt of cash					
6	A cash and banking book is	59	36	3	20	0
	maintained to record all cash					
	received and all cash banked					
	on a daily basis					
7	Encashment of cheques out of	59	40	3	14	2
	petty cash is not permitted					

8	Payment of IOUs out of petty	62	28	24	10	0
	cash is not permitted					
9	The cash received is safely	63	44	3	16	0
	kept in a safe					
10	Unused accountable	63	44	3	16	0
	documents registers are					
	maintained to account for all					
	the unused cheques received					
	from the banks and other					
	accountable documents					
	purchased					
11	Unused accountable	63	44	3	16	0
	documents are accessible only					
	to staff whose custody they are					
12	Unused accountable	64	44	6	14	0
	documents are stored in a					
	strong room					
13	Each department has a petty	71	52	15	4	0
	cash float					
14	Only designated receiving	72	64	0	8	0
	cashiers are authorized to					
	receive cash					
15	Receiving cashiers assume full	72	64	0	8	0
	responsibility for the cash					
	receipts from the time they are					
	received until they hand them					
	over for banking					
16	A receipt issued for each cash	74	64	6	4	0
	received					

17	Petty cash is reimbursed after	75	60	15	0	0
	the previous amount is					
	exhausted					
18	Petty cash books are checked	75	68	3	4	0
	every time there is a request					
	for the reimbursement of the					
	petty cash					
19	Petty cash books are	77	68	3	6	0
	maintained to record all cash					
	received and all payments					
	made out of the petty cash					
20	The head of the department	77	72	3	2	0
	approves all petty cash					
	vouchers					
21	A petty cash payment voucher	78	64	12	2	0
	is supported by a receipt(s)					
		1360	936	159	260	5

Source: Research findings, 2006

Appendix 3 (vii): The level of effectiveness in Budgetary Control procedures

		Total	raw	All	the	Sometimes	Not aware	Not at all
	Items/indicators	Score		time				
1	A vote-holder who exceeds the budgetary	52		20		12	18	2
	allocation in a particular							
	period is asked to give							
	an explanation							

2	Expenditures above the budget allocation are	62	36	15	10	1
3	Expenditures out of the budget allocations are processed through votebook section	66	52	3	10	1
4	The university council approves budgetary estimates and allocations	71	60	3	8	0
	Total score	251	168	33	46	4

Appendix 3 (viii): The level of effectiveness in Custody and Disposal of Assets

				Response						
	-			Total	All	Sometimes	Not aware	Not at all		
	Indicators	;		raw	the					
				score	time					
1	Physical	inventory	stock	55	24	12	18	1		
	taking	exercise	is							
	supervised	d by	an							

2	Inventory records	59	28	15	16	0
	maintained are not					
	accessible to individuals					
	other than those who are in					
	charge of the assets or					
	inventories					
3	Departments identify any	64	32	27	4	1
	damaged, obsolete or					
	excess assets and					
	inventories within their					
	custody and return them to					
	the central stores through a					
	memorandum					
4	The difference between the	64	36	18	10	0
	physical stock and the book					
	record of asset and					
	inventories are reconciled					
	promptly					
5		66	1.1	1.5	-	1
3	Central stores, with the help	66	44	15	6	1
	of the technical staff,					
	separate the items returned					
	from the departments into					
1	scrap and reusable					
č	categories					
6	Assets and inventories are	66	44	12	10	0
	kept under the strict control					
	of a few designated					
	employees					

7	The university's board of	69	52	9	8	0
	survey examines the items					
	and makes					
	recommendations for their					
	disposal or transfer					
8	Assets and inventories are	71	60	3	8	0
	issued against a stores issue					
	note authorized by the in					
	charge central stores					
9	Assets and inventories are	73	52	9	12	0
	recorded as they are					
	received					
10	Physical inventory of	75	64	9	2	0
	stocks is taken annually					
	Total score	662	436	129	94	3

## APPENDIX 4 QUESTIONNAIRE.

## Appendix 4 (i) Staff Recruitment and payment of Wages and Salaries

		ALL	SOMETI	NOT	NOT
	DITERNAL CONTROL	THE	MES	AWARE	AT
	INTERNAL CONTROL	TIME			ALL
1	Description 1 200 August DVC(A 0 E)				
1	Departments make written requests to DVC(A&F)				
1	for additional employees.				
2	Personnel Section check the request by departments				
	against the organization structure.				
3	Job advertisements made for any vacant position to				
	be filled.				
4	Short-listing is done by a panel made up of				
	personnel, the respective department and a				
	representative from the senate.				
5	Interviews are conducted by a panel chaired by				
	Chairman of University Council for staff in the				
	Academic and Senior Administrative staff categories				
	and by DVC(A&F) for all other categories.				
6	Letters of appointment are signed by Registrar				
	(Administration) (R(A)).				
7	Personnel records are maintained showing their				
3	terms of service, permanent contact address, next of				
	kin, rate of pay and grade on first appointment,				
	promotions, retirement or dismissal and other				
	occurrences in the employment life of the staff.				
8	A committee under the R(A) deliberates on				
	departments' requests to hire casual workers and				2.
	approves, rejects or amends the requests.				
	approves, rejects of amends the requests.				
	4				

9	R(A) signs the letter of authority for departments to hire casual workers.	ě		
10	A Daily Work Record is maintained by the supervisor for each casual worker who worked on a particular day showing the number of hours worked.			
11	The clerk enters the details of the hours worked, as recorded on the Daily Work Records, on the Muster Roll.			
12	The clerk makes a Monthly Wages Summary at the end of the month showing the name of the worker, identification of the worker, number of hours worked, the applicable hourly rate and the wages payable.			
13	The Monthly Wages Summary is approved by the head of department.			
14	Salaries Section check the workings on the Monthly Wages Summary.			
15	Wages are paid at the Cash Office with the assistance of the Supervisor.			
16	Personnel Section raise PCAs to Finance Department for new employees showing the effective date of payment, rate of basic pay and other allowances and for change of pay on promotion, retirement or dismissal.			
17	Personnel Section issue a Schedule of new rates of pay for annual increments and any pay changes affecting all employees across the board.			
18	Changes to the payroll are made on the strength of a PCA only.			
19	Personnel Section check the printout of changes to the payroll against the PCAs issued for the month.			

20	Staff in Computer Section have no access to the			
	PCAs in Salaries Section.		4	
21	A Senior Accountant confirms mathematical accuracy of the payroll schedule before authorizing			
	for cheques to be raised.			
22	Staff from other sections have no access to computer section.			

i)		•		•	•	•	•	•	•	•				•	•		•	•	•																				•				
ii	).			•			•				•			 							•	•		•	•	•	•			•	•	•		•	•	•	•	• 9	•	•	 	•	
ii	i)						•							•		•	•		•	•				•		•			•			•		•		 •				•		•	
iv	)		•					•				•	٠										•																				

In case there are other factors that make it difficult for you to operate within the internal control please write them below.

i)	
ii)	
iii)	

Thank for your help in completing the above questionnaire.

## Appendix 4 (ii) Information on Debtors:

		ALL	SOME	NOT	NOT
	INTERNAL CONTROL	THE	TIMES	AWARE	AT
		TIME			ALL
1	Imprest is surrendered within forty eight hours of the completion of the activity for which it was taken.				

2	Staff apply for imprest by filling the imprest		
	form.		
3	Imprest which is not surrendered by 10 <sup>th</sup> of the		
	following month is recovered from the salary		
	of that month.		
4	The imprest form is signed by the chairman of		
	department to authorize expenditure from the		
	department's vote.		
5	The imprest form is approved by the Dean in		
	case of academic faculties or by the Deputy		
	Vice Chancellors for the non-academic		
	departments.		
6	Imprest is committed at Vote-book Section to		
	accumulate the expenditure on the vote head		
	and to indicate availability of funds.		
7	Imprests forms for expenditures whose votes		
	are exhausted are returned to the respective		
	department.		
8	The imprest form is checked at the Debtors		
	Section to confirm that all previous imprests		
	have been surrendered and to record the		
	transaction.		
9	The imprest forms for staff who have not		
	surrendered previous imprests are returned to		
	the applicant.		
10	Staff from other departments have no access		
	to Debtors Section.		
11	Staff members fill a salary advance form		
	before they can get a salary advance.		
12	Staff get a salary advance upto a maximum of		
	three times in a calendar year.		

13	A salary advance is charged interest at the		
	commercial bank interest rates.		
14	A salary advance is recovered in three		
	monthly installments starting from the month		
	it is advanced or the following month if the		
	advance is taken after the payroll entries have		
	been closed.		
15	A normal salary advance is upto a maximum		
	of one months' salary net of statutory		
	deductions.		
16	The salary advance form is checked in		
	Salaries Section to avoid over-commitment of		
	the salary.		
17	The salary advance form is approved by DVC		
	(A&F).		
18	A Pay Change Advice is raised in Personnel		
	Department.		
19	Salaries Section records the salary advance		
	for recovery.		
20	Debtors Section record the salary advance as a		
	debtor.		
21	Sales on credit are given only to customers		
*	who have been assessed and found to be		
	creditworthy.		
22	All collections from the credit sales are		
	collected thirty days after the invoice date.		
23	Items for sale on credit are authorized by the		
	farm manager or head of department against		
	the request document by the credit customers.		

24	A delivery note is raised for every sale on credit.		
25	An invoice is raised for every delivery note.		
26	The delivery note is signed by the farm		
	manager or head of department.		
27	The invoice is signed by the farm manager or		
	head of department.		
28	Fees is received against the letter of		
	admission.		
29	Students deposit fees in the University's bank		
	account(s) and submit the bank deposit slip to		
	cash office for issuance of a receipt.		
20			
30	Students pay fees in full at the beginning of a		
	semester.		
31	A students fees ledger is maintained in a		
	computer program.		
32	A Goods Inwards Returns Note is maintained		
	for goods returned by customers.		
33	A register of goods returned is maintained to		
	support the short-credited invoice.		
24	••		
34	A Debtors ledger is maintained in Income		
	Generation Units (IGE) Department.		
35	Follow up of debts done by IGU department.		

n case there are other internal controls in the	he department pl	ease write them down.
---	------------------	-----------------------

1	).											•			•								•	•	•	•			•	•	•		 	•
i	i)							 			•				•					•		•			•		•			•		 	 	
i	ii	).			•														•		• 5				•			 						
i	V	).															•	 																

In case	e there	are	other	factors	that	make	it	difficult	for	you to	operate	within	the	internal
contro	l please	e wr	ite the	m belo	W.									

i	).	•	٠	•					•										•				•	•				•				•					•
i	i)					•	•						•					•		•				•			•						•				
i	ii	).				•	•	•	•			•	•		•						•10	•							 		•		•			•	
i	V	).																																	 		

## Appendix 4 (iii) Procurement of goods services and works

	#b	ALL	SOMETIMES	NOT	NOT
	INTERNAL CONTROL	THE		AWARE	AT
		TIME			ALL
1	Purchases are made following the procedures laid out in the Public Procurement Act (2005).				
2	Tenders are awarded annually and a tender book is produced showing the suppliers, their contact, the items they will supply and the tender price.				
3	Most purchases are made from the suppliers on the tender book.				
4	Quotations are obtained from at least three of the pre-qualified suppliers for the purchase of items on quotation.				
5	All purchases are made by Purchasing Department.				

indicating the specifications, the supplier and the price before the purchase can be made.  7 All requisitions are signed by heads of departments  8 The requisitions are checked at Votebook Section for availability of funds.  9 Purchasing Department confirms the accuracy of the details on the requisition and processes the LPO.  10 The Senior Supplies Officer (SSO) is the	
made.  7 All requisitions are signed by heads of departments  8 The requisitions are checked at Votebook Section for availability of funds.  9 Purchasing Department confirms the accuracy of the details on the requisition and processes the LPO.	
7 All requisitions are signed by heads of departments 8 The requisitions are checked at Votebook Section for availability of funds. 9 Purchasing Department confirms the accuracy of the details on the requisition and processes the LPO.	
departments  8 The requisitions are checked at Votebook Section for availability of funds.  9 Purchasing Department confirms the accuracy of the details on the requisition and processes the LPO.	
8 The requisitions are checked at Votebook Section for availability of funds.  9 Purchasing Department confirms the accuracy of the details on the requisition and processes the LPO.	
book Section for availability of funds.  9 Purchasing Department confirms the accuracy of the details on the requisition and processes the LPO.	
9 Purchasing Department confirms the accuracy of the details on the requisition and processes the LPO.	
accuracy of the details on the requisition and processes the LPO.	
and processes the LPO.	
10 The Senior Supplies Officer (SSO) is the	
first signatory to the LPO.	
11 DVC(A&F) signs the LPO to authorize	
the purchase.	
12 Internal Audit check the LPO for	
compliance to the laid down procedures.	
13 The original white copy of the LPO is	
delivered to the supplier.	
14 The duplicate paying blue copy of the	
LPO is sent to Creditors Section to await	
other supply documents for payment.	
15. The triplicate green receiving copy of the	
LPO is sent to Central Stores to await	
delivery of items.	
16 User department raise a requisition for	
items which are not on tender and takes	
it to Purchasing Department.	
	į į

17	Purchasing Department consults the user department to identify the possible suppliers.	
18	Purchasing Department issues quotations forms to at least three of the prequalified suppliers recommended by the user department.	
19	The quotations forms are recorded in a Quotations Register and sent to suppliers with instructions to deliver the quotations direct to Purchasing Department in a sealed envelop.	
20	Each quotation form is allocated a serial number which is referenced to the Quotations Register.	
21	Quotation forms are opened by the Buyer of the particular item in the presence of an Auditor.	
22	The quotations analysed by the Buyer in a Quotations Analysis Form.	
23	The user department recommends a supplier and signs against the recommendation on the Quotations Analysis Form.	
24	The University's Procurement Committee (PC) approves the purchase to be made on quotation.	
		-

25	The	University's	Procurement		
	Commi	ittee (PC) approve	s the supplier of		
	items o	n quotation.			

i)		 		•	•	•																				•			•	•			
ii)	).		•			•		•		•												•	•										
iii	).																		•						•			•					
iv	).																																

In case there are other factors that make it difficult for you to operate within the internal control please write them below.

i)			•	•		•			 				 	 																	 •
ii	).			 					•	•													•	•		•			 •		
ii	i)									•					•		•		•	•	•	•		•	•		•	•			 •
iv	v)																									 	 				

Thank for your help in completing the above questionnaire.

Appendix 4 (iv) Receiving and storage of items at the Central Stores.

		ALL	SOMETIMES	NOT	NOT
	INTERNAL	THE		AWARE	AT
	CONTROL	TIME			ALL
1	All purchased items are received at the				
	Central Stores on the strength of the				
	green copy of the LPO and the delivery				
	note in the presence of the supplier, the				
	storekeeper and a member of staff from				
	the Verification Section.				
2	The storekeeper and the staff from				
	Verification Section sign on the				
	delivery note to confirm that the goods				
	received are in good condition.				
3	Any damaged, sub-standard or wrongly				
	supplied items are returned to the				
	supplier through a Goods Returned				
	Note.				
4	Any short-deliveries and items on the				
	Goods Returned Note are reduced from				
	the invoice.				
.5	Staff verifying receipt of items sign				
	against appropriate comments on the				
	delivery note in case of short-deliveries				
	or returned items.				
6	The storekeeper take full responsibility				
	of the items under his/her custody till				
	they are released to departments				
	through a Stores Issue Note.				

7	A Goods Received Note is raised for		
	each proper item received and accepted.		
8	All GRNs are signed by the in charge		
	of the Central Stores.		
9	Items on the Goods Returned Note are		
	returned to the supplier promptly.		
10	Items are issued out of the Central		
	Stores on the strength of a Stores Issue		
	Note.		
11	In charge Central Stores signs all the		
	Stores Issue Notes.		
12	Surprise stock counts are done by in		
	charge of central stores frequently.		
13	Stock discrepancies between the		
	physical stock and bin card balances are		
	reconciled promptly.		
14	Staff from other sections have no		
	access to documents and items in the		
	Central Stores.		
15	A Goods Movement Daybook is		
	maintained at the Central Stores to		
	record the date item was received or		
	issued, delivery note number or stores		
	issue note number description and		
	quantity of item.		
16	An LPOs Register is maintained		
	showing date of LPO, the supplier,		
	LPO number, items on order, date items	*	
	delivered, and comments.		

17	The Goods Movement Daybook and the LPOs Register are updated as the transactions occur and at the end of the day.	
18	It is only the clerk in charge of the LPOs Register and the Goods Movement Daybook who can update the registers.	
19	Bin Cards maintained for each of the items received at the Central Stores.	

i).							•			 											•						
ii)										 •		•	•			 				 						• •	•
iii	).														10										•	 	
iv	) .							 	- 74		74	-	200	 	 										 	 	

In case there are other factors that make it difficult for you to operate within the internal control please write them below.

i)			•	•	•				•													•		•						•		•		•			•			• •	
ii	).																								•							•			•				•		
ii	i)		•				•	•	•	•	•		•					•	•	•			•	•				•	•	•	 		•			•	•	•	•		
iv	7)									 				 		•	 •	 			•			 			•														

Thank for your help in completing the above questionnaire.

Appendix 4 (v) Supplier's records and payments for goods, services and works.

		ALL	SOMETIMES	NOT	NOT	AT
	INTERNAL CONTROL	THE		AWARE	ALL	
		TIME				
1	Creditors Statements are produced					
	and reconciled with the Statements					
	received from the suppliers.					
2	Payment vouchers are checked in					
	Examinations Section for proper					
	supporting documents and					
	mathematical accuracy.					
3	It is only the messenger in cash					
	office who takes the cheques to the					
	processing offices.					
4	Internal Audit check the payment					
	voucher and supporting documents					
	for compliance to the laid down					
	procedures.					
5	The payee signs on the Cheques					
	Disbursements Register when					
	collecting the cheque.					
6.	Cheques books for use are issued to					
	the accountant in charge of cash					
	office only.					
7	Paid vouchers are recorded in a cash					
	book, against the cheque, and					
	allocated a serial number which					
	follows in a sequence in the					
	cashbook.					

8	The cash book and the bank reconciliation are checked by the accountant in charge of cash office.	
9	Reconciling items are investigated and adjusted promptly.	
10	An LPOs register is maintained to record each LPO received and each invoice received against the LPO and the payment.	
11	A Documents Movement Register is maintained to keep track of all documents received and released.	
12	Creditors Ledgers are maintained to record the invoices received and payments made.	
13	All invoices received are entered on the Data Entry Sheets for processing in Computer Section.	
14	Every payment voucher is supported by documents such as invoices, delivery notes, departmental requisition, GRNs, blue copy of LPO, payroll, imprest form, salary advance form, expense claims.	
15	Cheque are raised against the payment voucher in the Cash Office Section.	
16	The cheque is taken to Cash Office Section for recording in the Cheques Disbursement Register.	

17	A	bank	reconciliation	done	
	moi	nthly, tw	o weeks after the	end of	
	the	month o	f the transactions.		

i).		•	•		•								•		 									•							•
ii)		• •		•						•	•		 					•									•	•			
iii	).								 		 		•							•					•		•	 	•	 •	•
iv)	).					• (		 													 							 			

In case there are other factors that make it difficult for you to operate within the internal control please write them below.

i)							•	•	 					•	•								•		 							
ii	).	•			•													•	•		•				•							
ii	i)		•			•		•	•		•		•								•	•		•	•		•					 
iv	7)															 	 														 	

Thank for your help in completing the above questionnaire.

Appendix 4 (vi) Custody of Cash and Receipts documents.

		ALL	SOMETIMES	NOT	NOT AT
	INTERNAL CONTROL	THE		AWARE	ALL
	a .	TIME			
1	A receipt issued for each cash received				
2	Only designated receiving cashiers are authorized to receive cash.				

3	Receiving cashiers assume full	
	responsibility for the cash receipts	
	from the time they are received until	
	they hand them over for banking.	
4	The cash received is safely kept in a	
	safe?	
5	A cashier receiving cash does not	
	handle petty cash nor record the	
	transaction in the cash book.	
6	The deposit of cash is done by a	
	person separate from the cash	
	collecting cashier.	
7	A cash and banking book is	
	maintained to record all cash	
	received and all cash banked on a	
	daily basis.	
8	The cash and banking book is	
	reconciled at the close of the day,	
	checked and signed by a senior	
	management personnel.	
9	Staff who have access to accounting	
	records are prohibited from	
	receiving unopened mail.	
10	Unised accountable documents are	
	stored in a strong room.	
11	Unused accountable documents	
	registers are maintained to account	
	for all the unused cheques received	
	from the banks and other	
	accountable documents purchased.	

12	Unused accountable documents are	
	accessible only to staff in whose	
	custody they are	
13	Each department has a petty cash	
	float	
14	Petty cash books are maintained to	
	record all cash received and all	
	payments made out of the petty	
	cash.	
15	A petty cashier has no access to	
	receipt of cash.	
16	The head of department approves all	
	petty cash vouchers.	
17	A petty cash payment voucher is	
	supported by receipts.	
18	Payment of IOUs out of petty cash	
	is not permitted.	
19	Encashment of cheques out of petty	
	cash is not permitted.	
20	Petty cash is reimbursed after the	
	previous amount has been	,
	exhausted.	
-21	Petty cash books are checked every	
	time there is a request for the	
	reimbursement of petty cash.	

i)					•	•	•	•		•	 			•	•					•	•	•						•			•				
ii)	٠.	•	•	•					•	•		•					•					•	•	•	•			•	•	•	•	•		•	•
iii	).																		4						 										

n case there are other factors that make it difficult for you to operate within the internal
control please write them below.
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i)
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Appendix 4 (vii)Budgetary control procedures.

		ALL	SOMETIMES	NOT	NOT AT
	INTERNAL CONTROL	THE		AWARE	ALL
		TIME			
1	The University Council approves				
	budgetary estimates and allocations.				
2	Expenditures out of the budget allocations are processed through				
	Vote-book Section.				
3	Expenditures above the budget allocation are returned to departments.				
4	A vote-holder who exceeds the budgetary allocation in a particular period is asked to give an explanation.				

In case there are other internal controls in the department please write them down.

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In case there are other factors that make it difficult for you to operate within the internal control please write them below.
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iii)
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Appendix 4 (viii) Custody and Disposal of assets.

		ALL	SOMETIMES	NOT	NOT	AT
	INTERNAL CONTROL	THE		AWARE	ALL	
		TIME				
1	Departments identify any					
	damaged, obsolete or excess assets					
	and inventories within their					
	custody and return them to Central					
	Stores through a memorandum.					
2	Central Stores, with the help of					
	technical staff, separate the items					
	returned from the departments into					
	scrap and reusable categories.					

The University's Board of Survey				
examines the items and makes				
recommendations for their				
disposal or transfer.				
Assets and inventories are kept				
under the strict control of a few				
designated employees.	500			
Assets and inventories are				
recorded as they are received.				
Assets and inventories are issued				
against a Stores Issue Note				
authorized by the in charge				
Central Stores.				
Physical inventory of stocks is				
taken annually.				
Physical inventory stock taking				
exercise is supervised by an				
independent person.				
The difference between the				
physical stock and the book record				
of asset and inventories are				
reconciled promptly.				
Inventory records maintained are				
not accessible to individuals other				
than those who are in charge of the				
assets or inventories.				
	examines the items and makes recommendations for their disposal or transfer.  Assets and inventories are kept under the strict control of a few designated employees.  Assets and inventories are recorded as they are received.  Assets and inventories are issued against a Stores Issue Note authorized by the in charge Central Stores.  Physical inventory of stocks is taken annually.  Physical inventory stock taking exercise is supervised by an independent person.  The difference between the physical stock and the book record of asset and inventories are reconciled promptly.  Inventory records maintained are not accessible to individuals other than those who are in charge of the	examines the items and makes recommendations for their disposal or transfer.  Assets and inventories are kept under the strict control of a few designated employees.  Assets and inventories are recorded as they are received.  Assets and inventories are issued against a Stores Issue Note authorized by the in charge Central Stores.  Physical inventory of stocks is taken annually.  Physical inventory stock taking exercise is supervised by an independent person.  The difference between the physical stock and the book record of asset and inventories are reconciled promptly.  Inventory records maintained are not accessible to individuals other than those who are in charge of the	examines the items and makes recommendations for their disposal or transfer.  Assets and inventories are kept under the strict control of a few designated employees.  Assets and inventories are recorded as they are received.  Assets and inventories are issued against a Stores Issue Note authorized by the in charge Central Stores.  Physical inventory of stocks is taken annually.  Physical inventory stock taking exercise is supervised by an independent person.  The difference between the physical stock and the book record of asset and inventories are reconciled promptly.  Inventory records maintained are not accessible to individuals other than those who are in charge of the	examines the items and makes recommendations for their disposal or transfer.  Assets and inventories are kept under the strict control of a few designated employees.  Assets and inventories are recorded as they are received.  Assets and inventories are issued against a Stores Issue Note authorized by the in charge Central Stores.  Physical inventory of stocks is taken annually.  Physical inventory stock taking exercise is supervised by an independent person.  The difference between the physical stock and the book record of asset and inventories are reconciled promptly.  Inventory records maintained are not accessible to individuals other than those who are in charge of the

In case there are other internal	controls in the	department	please	write them	down.

i)	 
ii)	 

III)
iv)
In case there are other factors that make it difficult for you to operate within the internal
control please write them below.
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