Of Technology Education For National Davelops ent In Nigeria

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Effective Management of Technical Colleges for Sustainable Development

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Abstract:

It is observed that there are deficiencies in the management of our technical college in national development. Three research questions were formulated to sollect data from 22-item questionnaire was developed and used to collect data from consisting of 18 administrator and 120 teachers in all the technical college and both administrators and teachers shared similar views towards the majorist lit was therefore recommended that government should ensure that there a make persistent monitoring of technical college administrators in order to anare the effective management of both human and material resources and any technical administrator found misappropriating fund, disciplinary measure should be taken up him in order to serve as a deterrent to others

Introduction

Management is the process of setting goals or objectives, and achieving and employing men and material resources in a compatible environment. According to the (1997) every activity involving human effort possessed to some degree these form (i) a goal (ii) the means by which the goals can be attained (iii) the use of house of and (iv) the creation of an environment that will induce men to participate Accordance him that emphasis that each of these facets receives varies widely is considered in the manual control of these facets receives varies widely in considered in the manual control of these facets receives varies widely in considered in the control of these facets receives varies widely in control of the control of these facets receives varies widely in control of the control of these facets receives varies widely in control of the control of th depending on the managerial task. Therefore, management is the process of school achieving objectives by influences of school achieving objectives objective objectives of school achieving objective objectives objective obje achieving objectives by influencing human behaviour towards the realisation of the or set objectives. Management includes four primary functions and one integrative function; the process of the integrative function: the process of planning, organizing, directing and controlled the activities of the system. The integration of the system and controlled the system and controlled the system. the activities of the system. The integrative function being that of the coordinates and Abrahamson 1977). From the foregoing management is the process of the decision on how resources can be procured, managed, used and maintained attainment of a given objective or goals. It also involves the coordination and on human, infrastructure, materials, equipment, facilities and finance used for the sustenance and improvement of a given set-up efficiently and effectively 1999). The aim of management therefore, is to coordinate the human, physical and financial resources and therefore, is to coordinate the human, physical and financial resources. and financial resources so that they can be utilized economically, efficient effectively. According to Zakariya, Yahaya and Muhammed (1997) Manage technology education involves arriva. technology education involves strategic innovation, initiating and bringing and creative, problem solving and description initiating and bringing and description. creative, problem solving and decision making, actively seeking out alternation opportunities, formulating goals and priorities, redeploying resources

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positions conflicts dynamic or active leadership, diplomacy, statesmanship and a high

perhieal college is that acction of technology education, meant for either proposational teaching or for production of low-level manpower (skilled labour) is arrana, craftamen and master craftamen for the labour market (F. M. E. 2000). Technical college programme and technology education at the senior secondary school level, is the number of building a verifable technology education at any given society, the quality archich is highly depend on the kind of management accorded that particular society.

However the backwardness and slow rate of development in technology/economic stagnation, is a reflection and product of poor state of management according accorded technology education most especially at the technical college level, which is seen as the balrock of our technological development. In order to make Nigoris a producing nation rather than a consuming nation the National Policy on Education (1998) recommended the establishment of one technical college for each of the areas in the country. But apprisingly as at 1998, the total number of Federal Technical Colleges stands at 12 (twelve), while that of states is 122 (one hundred and twenty two) (Ogunleye, 1999). Despite this small percentage of available technical colleges out of the larger number recommended, the performance has not been anything to write home about in terms of independence of graduates, their gainful employment and contribution to technological growth in the country. Hence the question of efficient management of this sector of technology education becomes imperative to find a lasting solution to the nagging problem of technological backwardness in the society.

Purpose of the Study

The purpose of this study can be specifically delineated as follows:

- (1) To identify the deficiencies in the management of technical colleges in Niger State
- (II) To find out how funds released to the technical colleges are being utilized or managed
- (III) To proffer solutions to the identified deficiencies in the management of technical colleges in Niger State.

Research Questions

For the purpose of this study the following research questions were posed: -

- (i) Are there some deficiencies in the management of technical colleges in Niger State?
- (ii) How are funds released to the technical colleges being utilized or managed?
- (iii) What are the solutions to the identified deficiencies in the management of technical colleges in Niger State?

Research Design

This study employed the use of descriptive survey research design. According to Osuala (1982) surveys are oriented towards the determination of status of a given phenomenon, they focus on people and their beliefs, opinions attitudes and behaviour.

Area of the Study

The study was carried out in all the technical colleges in Niger State.

Population

The target population for the study composed of all the administrators (principal and vice principal) and the teachers in technical colleges in Niger State.

ampling Technique

The sample for this study consist of all the principals from the six (8) technology The sample for this study consist of an armonial twenty teacher's selected randomy forms

The questionnaire was the sole instrument used for data collect Itemised questions were used for answering the research questions are the one hundred and thirty eight (138) questionnaires were reserved and

Methods of Data Analysis

The data collected was analysed on a modified four point like type ne scale using strongly Agree (SA) = 4; Agree (A) = 3, Disagree (D) = 2 strongly Disagree (SD) = 1. The mean of the responses was used to ascertain the central tendency of the respondents opinion to answer the three (3) research questions, any item that attracted up to 2.5 and above was considered agree and 2.49 and below was considered disagreed.

The results of the data analyses are presented in the order of the research Research Question 1

Are there some deficiencies in the management of technical colleges in Niger State Table 1 Responses of administrators and technical teachers on the deficiencies in the management of technical colleges in Niger State.

	Items	$N_1 = 18, N_2 = 120$			
		死,	元二	和	
	Technical college administrators lack the spirit of collective responsibility in the proper running of the colleges.	2.10	2.62	2 2.36	
2	Equipment in most technical colleges are poorly handled and maintained by teachers and students	3.40	3.26	3 3.33	
	There is no proper monitoring of how technical college	3.36	3.41	3 3-39	-

			3-56	
Many technical college workshops are and adequately equipped	3.69	3.53		Agree

Na - comber of Administrators

Xi - Alcan of Administrators

As a Mean of Learning

V - Average Mean of Administrators and Teachers Cable is revealed that administrators disagreed with items I and 5 while the teachers agreed with the items. Both the administrators and the teachers agreed with uping 2, 4 o and 7. Also the administrators agreed with upon 4 where the teachers disagreed with the item

Hex we bunds released to the technical colleges being utilized or managed

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Table 2. Responses of teachers and administrators on how funds released to the sectors

Course Harry	are neing utilized or managed			
4				
9	Vannage of all manages			
2	Payment of allowances to technical teachers			
109	Purchase of new equipment and tools.	2.10	2.00	
10	Provision of first aid treatment materials in the workshop.	2:50	1.99	225 Asses
12	Regular maintenance of workshop facilities.	2.50	2.23	2:36 Aug
12	Supply of stationeries and other consumable materials	3.00	2.70	2.85 Agre
13	Funding of students Industrial work			

NATI IV AMUNICALISMA Experience in Exma (SIWES)	21.60	Desagne
Running cost release to technical college are diverted or misappropriated		

Table 2 revealed that the administrators agreed with items 8,10, 11 and 13 white the Table 2 revenue of the stems. Both administrators and trackers disagreed with news teachers draug.

On Also the administrators disagreed with items 14 whereas the teachers spres with the

What are the solutions to the identified deficiencies in the management of technical

Table 3. Responses of the administrators and teachers on the possible solutions to the fied deficiencies in the management of the technical colleges

lentified defi-	Items		1-18		
		. 23.3			
		元	x2	元t	Remort
15.	There must be the spirit of collective responsibility by the administrator in the management of technical	3:40	3.52	3.40	Agree
16	Equipment in technical colleges workshop be adequately maintain in order to prolong their	3.49	3.63	3:56	Agree
7.	Government should ensure regular and persistent monitoring of technical colleges activities for better	3:33	3.67	3:50	Agree
(8	performance Government anti-	1			

	NATT 19th Annual National Cong			The said of	77 77
	corruption drive should be spread to catch any erring technical college administrator, found misapprehend fund	2.63	3.50		
19.	Adequate and modern equipment relevant to the societal needs should be supplied to all technical colleges by the government	3.54	3.66		
20.	There must be cordial relationship between administrators and teachers for the smooth running of the technical colleges.	3-00	3:48	3.24	
21.	Funding of the technical colleges should not be left to Government alone to bear.	3.23	3.55	3.39	Ayrı
22.	Promotion of teachers in technical colleges should be tied to up-dating their knowledge and improvement on the job objectively evaluated.	3.62	3.43	3.53	Agro

Table 3 revealed that both the administrators and teachers agreed with all the items under research question 3 which has to do with solution to the identified deficiencies the management of technical colleges and having an average mean score ranging between 3.07 - 3.60.

Discussion of Major Findings

The result of the study identified that the equipment in most technical colleges are promaintained and also there is no adequate equipment for the students' practical. In this regard most school workshops and laboratories are all made to close late in the afternand does not open until the next day. Ma'aji (1998) observed that this equipment exprofitably used during evening, weekend and public holidays to upgrade the skills alocal artisans, industrial workers and other doing private contract works which couperchase of new tools and equipment and other consumable materials. In the same Uthman (2000) and Olaitan (1988) saw the need to privatise the workshop equipment of reasonable money in the effective management, increased efficiency and the analysis in table 2, revealed that the running cost released to the rechnical are being diverted or misappropriated by the administrators. Therefore new technical equipment and other materials cannot be purchased. There is the need that the

government should ensure regular and peraistent monitoring of technical colleges government acceptance. Fund is needed for provision and maintenance of activities for an amount of the structures, facilities, student industrial work experience scheme (SIWFS) and payment of allowance to teachers. However, it has been noted by Igwe (1997) in Asa and payment of and (2000) that inadequate funding of technology education has been a major Uzochukwu (zooning technology education in Nigeria. It is only through adequate funding of technology education that new equipment and facilities for skill development can be of technology of the manpower will be developed for other sectors of the economy like put in place of the economy like agriculture, transport, health, manufacturing industries among others (Tajudeen 2000) With reference to solutions to the identifies deficiencies of the management of technical colleges.

Table 3, shows that any technical colleges administrator found misappropriating funds. the government anti-corruption organisations such as economic and financial crime commission (EFCC) and independent corrupt practice commission (ICPC) should deal decisively with erring technical college administrator in order to serve as a deterrent to any administrator who want to involve himself in such corrupt practices. Funding of technical colleges is very important so that modern tools and equipment can be supplied to the workshops in our technical colleges. This will help the students to acquire practical skills in order for them to be self-reliant i.e. to become productive members to the society. However, the success of any educational programme largely depends upon the availability of resources needed in such programme. Fund must be adequate because without fund other related activities cannot be provided. Thus, adequate funding of technology education is instrumental for its success. Salami (1992) and Adeleye (2000). Identified inadequate funding as one of the constraints on technology education in Nigeria. Also Isiaka (1997) lamented that technology education suffers some serious problems, which have limited its effective contribution. This problem includes inadequate funding leading to inadequacies of human and materials resources. Much fund is needed to provide the needed equipment and infrastructural facilities. Unfortunately the government does not provide such funds. The funding of technical colleges should not be left to the government alone. Olaitan (1986) suggested that the sources of revenue for technical education be diversified Organisations, industries, business communities, non-governmental organisation (NGO's) philanthropic organisation and well - meaning individuals in the society should come and contribute both in cash and kind for the implementation of technical education.

Conclusion

It is quite clear that there is the need for effective management of our technical colleges by the administrators. Our technical college administrators should be people of high integrity, people of good moral and ethical character so that they make best use of the human material and financial resources at their disposal, for the products of our technical colleges to become useful to themselves and the society at large.

For effective management of technical colleges to be achieved; the following recommendations are made: -

The running cost released to technical colleges should not be misappropriated by technical college administrators, the fund should be used for the smooth running of the colleges.

NATT 19th Annual National Government should ensure that there is regular and persistent monitoring of a

Government should ensure that there is effective management technical college administrator to ensure that there is effective management technical college both human, materials and financial resources in the college

both human, materials and tonancial found misappropriating funds, government to the description of the descr Any technical college administrator was measure is taken against him to serve a

deterrent to others
Infrastructural facilities, machines, equipment, tools and other materials
Infrastructural facilities, machines, equipment, tools and other materials Infrastructural facilities, instructors and students in other prolong their life span.

Funding of technical colleges should not be left alone to the government Funding of technical control o national organisations, corporate organisation philanthropic organisation international donors should assist meaningfully in the smooth management administration of technical colleges by way of contributing or giving aids a to supplement the effort of the government.

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