# A STUDY ON FORECASTING THE BUDGET TO DEVELOP THE NEW PRODUCT WITH AN EXISTING ONE IN THE POULTRY INDUSTRY

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Abstract: Poultry manufacturing was the first choice of every farmer in our country. Many companies have distributed a variety of product lines for many decades. Apart from this, companies offer different services to customers. The companies were trying to promote their product with different quality and through personal selling. Though it is having its traditional method of selling, they follow a new strategy to sell their product. According to the trend they promote their product to their target customer and try to keep their existing customer. This study mainly focused on a market research survey on "brand positioning" based on its customers. The aim is to study the awareness of the brand name to the various segments of the farmers and to expand the market for the selective companies in Poultry Manufacturing. Finally, some suggestions and recommendations are given to the companies about the new product development to capture the market share of the poultry industry. Key words-Poultry, farmers and Market share

#### **INTRODUCTION**

In many organizations, planning and developing the new product is a dream to prepare the cost and the budget for the new product development is the main objective of the company. Once a year company plans to generate a new product in the market, makes the greatest success in the market and this success motivates the company to innovate more products in the poultry field. The main work of the financial manager is to find out the various costs incurred in the new product development and to find out the forecasting result of the product in the future market.

## **IMPORTANCE OF STUDY**

The existing relationship value has extremely significant for any organization to expand its sales output. In the modern business world due to the development of technology, many new products are introduced in the market, and when a new product enters the market some customers will switch over to the new product. Hence, it becomes necessary for the company to develop a new product.

## **OBJECTIVE**

- 1. To develop a framework or model for developing new product development.
- 2. To understand the present expenditure on developing the new product.
- 3. To analyze the variations that occurred during the previous product.
- 4. To analyze the Expenses.

## **RESEARCH METHODOLOGY**

This is an exploratory research design. Exploratory research is conducted when a problem has not been clearly defined as yet, or its real scope is as yet unclear. It allows the researcher to familiarize him with the problem or concept to be studied. The results of exploratory research are not usually useful for executives by themselves, but they can provide important insight into a given situation. The secondary data are those which have already been composed by someone else from journals, magazines, books, etc. The company profile, textbooks, website, and records were used to collect the secondary data. The test used for analysis is trend analysis, correlation, and regression.

**DATA ANALYSIS** 

Year	Value in crore	Deviation	XY	X <sup>2</sup>	Trend
	Budget value Y	Х			value
2014-2015	445	-2	-890	4	436
2015-2016	498	-1	-490	1	467.1
2016-2017	441	0	0	0	498.4
2017-2018	515	1	515	1	529.7
2018-2019	593	2	1,186	4	561
2019-2020					592.3
Total	2492	0	321	10	

## Employee

Equation y = a + b x $\sum y \quad 2492$  a = - = - = 498.4  $N \quad 5$   $\sum XY \quad 321$  b = - = - = 31.3



**Inference:** The above figure shows the employee expense which is forecasted on the basis of the previous year's actual data with the help of trend line analysis. Every year the employee cost is increasing on a yearly basis.

#### Rent & maintenance

Year	Value in crore Budget value Y	Deviation X	XY	X <sup>2</sup>	Trend value	
2014-2015	22	-2	-44	4	20.2	
2015-2016	23	-1	-23	1	24.8	
2016-2017	28	0	0	0	29.4	
2017-2018	35	1	35	1	34	
2018-2019	39	2	78	4	38.6	
2019-2020					43.2	
Total	147	0	46	10		
Equation $y = a + b x$						

 $\Sigma y = 147$ 

a = \_\_\_ = \_\_\_ = 29.4





**Inference**: In the above figure the expense of rent & maintenance is forecasted for the next year there is an increase in the expenses which is shown with help of trend line.

## Rate & taxes

Year	value in crore Budget value Y	Deviation X	XY	X <sup>2</sup>	Trend value
2014-2015	3253	-2	-6506	4	4312.32
2015-2016	9354	-1	-9354	1	4851.36
2016-2017	5409	0	0	0	5390.4
2017-2018	4140	1	4140	1	5929.44
2018-2019	4796	2	9,592	4	6468.48
2019-2020					7007.52
Total	26952	0	-2128	10	

Equation y = a + b x

∑y 26,952

5,390.4 a = \_\_\_\_ = = Ν 5 10,884 ΣΧΥ \_\_\_\_ = 539.04 b = \_\_\_ =  $\sum X^2$ 10 Putting in the equation Y = a + b xY 5,390.4 +539.04(-2) = 4312.32= Y 5,390.4 = +539.04(-1)= 4851.36 Y 5,390.4 +539.04(0)= 5390.4 = 5,390.4 Y +539.04(1)= 5929.44 = 5,390.4 Y +539.04(2)= 6468.48 = For the year 2019-2020 Y = 5,390.4 +539.04(3) = 7007.52



**Inference:** The above figure shows the rate & taxes which are forecasted on the basis of the previous year's actual data with the help of trend line analysis. This figure shows the increase in rates and taxes with the help of the trend line.

#### Professional services & charges:

ear	value in crore Budget value Y	Deviation X	XY	X <sup>2</sup>	Trend value
2014-2015	43	-2	-86	4	68
2015-2016	79	-1	-79	1	56.5
2016-2017	70	0	0	0	45
2017-2018	16	1	16	1	33.5
2018-2019	17	2	34	4	22
2019-2020					10.5

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**Inference**: In the above figure the expense of Professional services & charges are forecasted for the next year there is a decrease in the expanse which is shown with help of trend line.

## **Financial charges:**

Year	value in crore Budget value Y	Deviation X	XY	X <sup>2</sup>	Trend value
2014-2015	2329	-2	-4658	4	2699.4
2015-2016	2050	-1	-2050	1	2170.6
2016-2017	2640	0	0	0	1641.8

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2017-2018	960	1	960	1	1113
2018-2019	230	2	460	4	584.2
2019-2020					55.4
Total	8209	0	-5288	10	

Equation y = a + b x

$$a = \frac{\sum y \quad 8209}{n} = - = 1641.8$$

$$N \quad 5$$

$$\sum XY \quad -5288$$

$$b = - = - = -528.8$$

$$\sum X^{2} \quad 10$$

Putting in the equation

For the year 2019-2020

Y = 1641.8 + (-528.8)(3) = 55.4



**Inference:** The above figure shows the financial charges forecasted for the next year with the help of trend line analysis. The expense is decreasing which is shown with the help of trend line **Power & fuel:** 

Year	value in crore Budget value Y	Deviation X	XY	X <sup>2</sup>	Trend value
2014-2015	55	-2	-110	4	52.4
2015-2016	53	-1	-53	1	56.1
2016-2017	59	0	0	0	59.8
2017-2018	64	1	64	1	63.5
2018-2019	68	2	136	4	67.2
2019-2020					70.9
Total	299	0	37	10	

Equation 
$$y = a + b x$$
  

$$\sum y 299$$

$$a = - = - = 59.8$$

$$N 5$$

$$\sum XY 37$$

$$b = - = - = 3.7$$

$$\sum X^{2} 10$$
Putting in the equation

Y = a + b xY = 59.8 3.7(-2) = 52.4+Y = 59.8 3.7 (-1) = 56.1 +59.8 3.7 (0) = 59.8 Y = +Y = 59.8 +3.7 (1) = 63.8 Y = 59.8 3.7 (2) = 67.2 +For the year 2019-2020 = 59.8 Y 3.7(3) = 70.9+80 70 60 50 40 30 20 10 0 -2019- - Budget value 2014-2015-2016-2017-2018--- Trend value 2015 2016 2017 2018 2019 2020

**Inference:** The above figure shows about the **power & fuel** expenses forecasted for the next year with the help of trend line analysis. The expense is increasing which is shown with the help of trend line

# Correlation calculation for the budgeted expenses and the actual expenses

year	Х	У	d	d²
2014-2015	58.32	57.37	0.951	0.904
2015-2016	63.17	63.85	-0.68	0.46
2016-2017	60.12	60.98	-0.87	0.753
2017-2018	73	71.25	1.757	3.09
2018-2019	83.79	84.37	0.426	0.181
Total				5.388

 $r = \frac{1-6\sum d^{2} i}{n(n^{2}-1)}$  $= 1- \frac{(6\times 5.3884)}{5(25-1)}$ = 1- 32.3304= 1-.269=0.731

## Inference:

In this research, the correlation shows the positive relationship between budget expenses and actual expenses.

## FINDINGS

- In this research, the researcher has found out that the expenses of some cost centers are increasing every yearly vigorously.
- The trend line analysis shows that some expenses are increasing.
- In this research, the correlation shows the positive relationship between budget expenses and actual expenses.
- The yearly budget which is of twelve months is efficient but the monthly budget is more efficient than the existing one.
- It shows how the improper expenses are incurred which affect the budget
- Financial loss through invalid or unauthorized payments including fraudulent ones will affect the budgeting process.
- Purchases fail to meet the objectives of the organization, resulting in financial loss and as well as a complication in Budgeting which in turn damage to the reputation of the company.
- Inappropriate or expensive goods are purchased, resulting in missed budgets and financial loss.
- Records of goods returned should be kept and checked to the credit notes received from suppliers for the proper track of the expenses.
- Censure or fines by the tax authorities because of wrong calculation or payments

## SUGGESTION

- There should be a monthly cost preparation system which will be more efficient than the existing one.
- Bank settlements should be prepared at least monthly.

- All goods should be checked for quantity and quality.
- Improve Supply Chain Management by planting new techniques.
- Bulk order of raw material will reduce the cost of the product.
- Employees should be motivated inside the Organization.

## CONCLUSION

It outlines in financial terms the goals and policies approved by the board. It is a method of monitoring adherence to, and deviations from plans throughout the year its preparation causes the organization to focus on planning, evaluation of programs, and accomplishment of its mission. The present study focuses on the forecast of all the expenditure which is held in an organization. This forecast is done with the help of trend line analysis. The forecast is subject to some limitations like inflation, natural calamity, etc, so we can say that there will be a probability of inaccuracy.

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