



## Impact of packaging strategies on consumer perception: A study on FMCG Stock

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### Abstract

The main intention of this paper is to research the impact of FMCG products packaging techniques at the perceptions of consumers and then analysis the customers buying belief functionality. The intention of these studies is to study the techniques of product packaging. This research paper seeks to look at the need to apprehend customer perceptions to correctly design product packing and to reap the favoured position within the minds of customers. Companies with a view to create the proper packaging for their products, they must understand the client shopping for technique and apprehend the effect of packaging techniques as a variable that could affect the acquisition choice of clients. This study will assist in identifying the connection between customer buying perceptions and packaging strategies are the predominant variable of the look at. The prevailing research paper examine focuses on the impact of packaging strategies on buy notion of customers with regard FMCG merchandise, in which in the scope of study changed into limited to Hyderabad town. A shape questionnaire was used to degree the effect of packaging techniques and each age of the man or woman changed into cantered in this research study for to get the purchase behaviour of customer in the direction of FMCG with decided on products, with pattern size 825 respondents and examined thru descriptive information, chances, ANOVA, correlation and multiple regression analysis by means of the usage of SPSS 20.0 version. The end result of the look at showed that media exposure like TV, radio, newspaper and magazine and net statistically considerable on patron perception in the direction of FMCG packaging, except Radio. And FMCG packaging techniques have nice effect at the purchaser closer to belief purchase perception.

**Keywords:** product, packaging strategies, consumer perception, purchase notion, media exposure

### 1. Introduction

Product is a mix of unmistakable and elusive merchandise and ventures offers to a client available to be purchased. It is any thought, technique, data, administration or article made because of a procedure and serves a need or fulfils a need. Customers are partial to new items and administrations which will fulfil their necessities and satisfy their requests as indicated by this mentality of purchaser's they draw in towards any item or administrations. We can without much of a stretch distinguish the customer's purchasing conduct towards any item or administrations by observing: How the purchaser pulls in towards any item? Is the given item or administration fulfil the purchaser's interest and by what means will the shopper's respond towards any item/administrations? What is the impression of the customer's about the item or administrations offers by an organization? What amount the item or administrations is unmistakable among the consumer's? The amount they offer inclination to the item or administrations offer by any organization. There are numerous things which will build the item deals. Item is made up from the blend of various components: Quality, Protect capacity, satisfying the necessities of shopper's and furthermore the bundling's which will upgrade the item's presence and manufactured a solid picture in the customer's brain. Bundling assumes an imperative job in pulling in buyers towards any item. Bundling is likewise utilized as the limited time apparatus for the organizations and it incorporates: Color, material, plans and different attributes. Bundling is the general bundle offer by the organization to its purchasers and invigorates the motivation purchasing conduct. Bundling pulls in

shoppers and builds its deal. It additionally decreases the show casing and promotion cost of the Item. In the previous decades organizations are not centered on their item bundling. Customers did not draw in towards the item and didn't buy which cause will need deal. But now organizations are all the more concentrating on the item bundling as there is an extreme challenge among all the FMGC items. Past looks into demonstrate that there is a contradiction between bundling quality and buyers purchasing conduct. Buyer is enamoured with new thing which pull in them and the thing shoppers hit at first sight is its appealing pressing. Numerous investigates centre around the components of bundling, shading, material and other bundling materials which have the effect on the buying goals of the purchasers. Highlights and parts of bundling are likewise engaged in this examination to create speculation and to recognize the genuine reality and observation behind the purchasing aims of buyers towards FMCG items.

### 2. Literature Review

Packaging itself plays an important component in advertising blend as it differentiates employer's product from its competitors and is also the way to talk with its purchasers. in step with (Ahmed, Billo & Lakhan, 2012) Packaging is the closing affect for consumers and they make shopping choices on the basis of product packaging which constructed a notion inside the customers mind, consequently it's far very important that packaging is working hard to secure the sale, this can be inside the shape of emblem photo, emblem values, product excellent and improvements. Packaging performs multi-tasks and

capabilities which describes the product & its features and additionally speak with the customers and additionally shield the product. (Silayoi & Speece, 2007) <sup>[15]</sup>. For example packaging of the product tells approximately special elements, usage of the product and additionally it tells about a few precautions if the product has any side consequences. The packaging sometimes consists of special functions like attractive colorings, images, symbols as a way to beautify the elegance of any product. The position of packaging as a medium for conversation and branding is growing in aggressive markets for FMCG merchandise. Packaging is the jar or a box or a protection for a product. Packaging includes the names and the emblem names, logo emblems, pictures of the product, different styles of labels consisting of components, production and expiry date, warnings, fee, using approach of the product, employer call, enterprise place and so forth. And the main function of the packaging is to without difficulty and competently distributes the products (Neeta & Sudha, 2014) <sup>[17]</sup>. The examination led by Saeed, Lodhi, Mukhtar, Hussain, Mahmood and Ahmad (2013) <sup>[13]</sup>, fuse the effect of brand picture, brand connection and ecological impacts on buyers buy choice and the investigation uncovers that brand picture have no positive connection with the customer buy choice and brand connection and condition impacts have moderate positive connection yet no positive connection with the purchaser buy choice.

Bundling is one of the premier segment of advancing, structuring and assumes a n essential job in showcasing. A legitimate and successful bundling will ingests a great deal of purchasers and will build people groups goals on purchasing items (Shruti, 2014). If the item have a decent quality and novel bundling it stays in the brain of the customer's for a significant lot of time and by this the buyers needs to purchase that item at the season of shopping, so it itself did the advancement of that item by its bundling. Bundling ought to likewise be intended to advance item deals. As the bundling will impact shoppers and subsequently change their purchasing conduct towards that brand which will help organization to create income. (Deliya & Parmar, 2012) <sup>[6]</sup>. At the point when individuals draw in towards any item so usually they will purchase that item which will expand its deals and friends' income and this all can done just by pulling in buyers towards any item at first sight and more often than not the early introduction is the last impression that will prompt increment the current deal execution. The bundling is that vital key factor which we can use to draw in our buyers at first sight. Bundling seems, by all accounts, to be one of the imperative factors in buy choices that are made at the purpose of offer where it turns into a basic piece of the selling procedure (Silayoi & Speece, 2004) <sup>[16]</sup>. As per (Saeed, Lodhi, Rauf, Rana, Mahmood & Ahmed, 2013) <sup>[13]</sup>, customers buy greater amount of item in the wake of seeing its name so obviously naming impact the buyers purchasing conduct yet there are numerous different elements that impact which impact the shoppers purchasing conduct. Shading assumes a critical job in the showcasing of an item. It is the most dominant visual part of any item. It keeps up a shopper's advantage and is related to that item ever after in the buyer's brain. The shading itself exemplified numerous thoughts and is regularly adequate in itself to impart the back rub of the picture it speaks to. A few specialists clarifies about bundling of shading is the most critical factor that pull in the

buyers and change their goals towards any brand and afterward their purchasing conduct will consequently transformed from no buys to begin buys.

Behzad (2014) <sup>[3]</sup>, depict in his examination that hues and illustrations assume vital key jobs in advancing item deals. Shading is a fantastic wellspring of data to speak with the purchasers either adversely or decidedly and it is assessed that 62-90% of individual's appraisal and assessment depends on hues alone. (Singh, 2006). Hues affect purchaser's considerations, sentiments and practices; so advertiser should concentrate on the since a long time ago utilized of hues as a visual gadget to help discernment and musings and handle buyer's consideration towards the item. (Labrecque, Patrick & Milne, 2013) <sup>[8]</sup>. As it is said that green shading pulls in the general population as it is a piece of nature so it draws in individuals towards itself. Like this, an organization ought to be progressively engaged while picking Bundling shading which will impact on item for a long haul and will likewise have effect on the purchasing conduct of the customers. The bundling material and wrappers are likewise vital factors in item bundling; as the vast majority of the customer's didn't purchase the items because of unpleasant bundling material and wrappers. The investigation uncovers that purchaser's trust in an item or brand decays relentlessly when its bundling is harmed up to 55% of customers left the brand, and 36% move towards another brand. A large number of the general population of today century need increasingly a la mode and uniqueness so they need a decent bundling material. The material and wrappers are additionally influence the deals as though the item is of good quality yet it has no powerful and great material of bundling the buyers will see and move towards another item which has of value material and fascinating wrapper plans. There is no critical contrast between item included customers and uninvolved ones as far as bundle plan inclinations for the constitution desires that it generates. (Thomas, 2011) <sup>[18]</sup>. Another examination of (Baik, 2011) <sup>[2]</sup>, clarified that at whatever point an organization structure an abnormal state item having better components and then look a heavenly effect of naming on shoppers purchasing conduct so they will focus on the privileged. Since privileged individuals are those focused on market who are increasingly cognizant about their mental self portrait in the general public and therefore they need to be additional normal cautious while picking any brand or item. Generally they show themselves as a tasteful gathering of the general public so if the bundling of any item will be planned by attitude and requests of the general population so it changes the conduct or buying and increment the income. Makers need to fabricate the relevant changes in item to fulfil the customers need and separate them with their rivals. Advancement in an item estimates some critical variables for rising intensity and viability. (Noorani & Setty, 2007) <sup>[10]</sup>. Since everybody need something new after a specific timeframe and for this an organization dependably keep changes its procedures and item plans, highlights, hues and at some point they add more flavours to that product offering to connect with the buyers towards that specific brand. Another exploration led by (Rundh, 2005) <sup>[11]</sup>, he further clarifies the multifaceted measurements and attempt to supply or give savvy tips to building up a range between advancing instrument and advancing supply. An investigation led by (Borin *et al.*, 2011) <sup>[4]</sup>, played out an examination in which he take out the after-effect of changed

dimensions of natural data on key customer metrics& likewise assessed earth considerate items versus those people groups who have contrary ecological effects. These customer impression of item quality, esteem were reportable by them and furthermore they get expectations didn't differ significantly between item what's more, constructive messages from nature and individuals with no message. They discover that item with negative ecological messages were all through lower than items with positive natural messages.

**3. Objectives of the Study**

Following are the primary objective of the study  
 To study the types of Media exposure that influence consumer purchase behaviour towards the packaging of FMCG products.  
 To assess Consumer perception towards Product Packaging strategies of FMCG products.

**4. Hypothesis of the Study**

Following are the hypothesis of the study  
**HO1:** There is no significant influence of media exposure on consumer purchase behaviour towards packaging of FMCG products.  
**HO2:** There is no significant difference in Consumer perception with Product Packaging Strategies towards purchasing of FMCG Products.

**5. Scope of the Study**

From the scene various investigations of the literature review and framed conceptualization created by the scholars. They are focusing mainly on the bundling terms and their performance. Just a few studies ware done on bundling in the Indian context with the FMCG sector. Only some of the studies said about the spirited strategies on the role of the bundling in the changed competitive situation of the market in the Indian markets. The present study is mainly focusing on the impact of product packaging, strategies of packaging which have been implemented by

the FMCG sector. And what are the strategies applied by the Marketer to influence of the consumer purchase behaviour with the product packaging.

**6. Materials and Methods**

**Research Design:** Descriptive research  
**Sources of data:** The study is concerned with the consumer perception and product packaging strategies, based on that source of the data collected from Primary source of data is collected from the respondents through structured questionnaire and interviews. It was in order to collect data on the product packaging strategies which affect on consumer purchase perception. Secondary data is collected from various Journals, Periodicals such as Magazines, Business newspapers, and from subject related books and websites.

**Sample Size: 825** Respondents From Hyderabad City  
 Base on the Cochran's formula (infinity population), the sample size selected is 825. The sample size selected from the sample area i.e. Hyderabad city, Telangana state. For mountain accuracy, reliability and validity of the data very small and large size samples are avoided. Because of the very small size sample having an inappropriate representation of the total sample area and large size sample have very difficult to handling all the process and managing data in a proper way.

**Data collections methods:** Data has been collected using structure questionnaire through customer survey method and personal interview of consumers with help of Convenience sampling method, Statistical tools like ANOVAs, Correlation and Multiple Regression using SPSS 20.0 has been used.

**General profile of Respondents:** The frequency distribution of demographic variables is presented in the following table.

**Table 1:** General profile of Respondents

Particulars	Classification	No of Responses	Percentage
Age	Below 20 Years	180	21.8
	21-30 Years	234	28.4
	31-40 Years	228	27.6
	41-50 Years	137	16.6
	51 and Above	46	5.6
Gender	Male	582	70.5
	Female	243	29.5
Education	SSC	77	9.3
	Intermediate	100	12.1
	Degree	234	28.4
	PG degree	273	33.1
	PG and above	141	17.1
Occupation	Govt Employee	252	30.5
	Private Employee	299	36.2
	Business	98	11.9
	Home Maker	84	10.2
	Student	92	11.2
Monthly income (in rupees)	below 20,000	86	10.4
	20,001-30,000	125	15.2
	30,001 - 40,000	318	38.5
	40,001-50,000	203	24.6
	50,001 and above	93	11.3
Total		n = 825	100%

**Age:** More than 28.4% candidates belongs the age group of 21-30 years and above, and 27.6%, 21.8%, 16.6% and 5.6% by the age of 31-40 years, below 20 years, 41-50 years and 51 and above years respectively.

**Gender:** From the above desk it is evident that 70.5% of the whole respondents belong to male accompanied by 29.5% through female respective.

**Education:** It is found from above table, that extra than 33.1% of the respondents belongs to pg, and followed with 28.4%, 17.1%, 12.1%, and 9.3% belongs to degree, pg and above, intermediate and SSC respectively.

**Occupation:** It is evident from above table, that more than 36.2% of the respondents working as private employee, and it is observed that 30.5%, 11.9%, 11.2% and 10.2% working as govt employee, Business, Student and Homemaker respectively.

**Income in rupees:** 38.5% of family have an income between 30,001-40,000 followed by 24.6%, 15.2%, 11.3% and 10.4% with the income of 40,001-50,000, 20,001-

30,000, and 50,001 and above and below 20,000 have family income level of respondents.

**7. Results and Discussions**

**Table 2:** Scale construction

Questionnaire	Items	Alpha
Media exposure	4 Items	0.761
Packaging strategies	6 Items	0.783

This confirms the validity and reliability of present studies paper. Major variables: Media exposure and product packaging techniques on client notion are considered. Alpha values were calculated one after the other for each the variables to test for the reliability and validity of the destiny take a look at. The Cronbach's alpha values for Media exposure and product packaging strategies are observed to be 0.761 and 0.783.

**HO<sub>1</sub>:** There is no significant influence of media exposure on consumer purchase behaviour towards packaging of FMCG products.

**Table 3:** ANOVAs

		Sum of squares	Df	Mean Square	F	Sig.
TV	Between Groups	13.817	17	.813	.858	.005
	Within Groups	764.381	807	.947		
	Total	778.199	824			
Radio	Between Groups	20.409	17	1.201	1c.276	.200
	Within Groups	759.113	807	.941		
	Total	779.522	824			
Newspaper and Magazine	Between Groups	17.800	17	1.047	2.227	.003
	Within Groups	379.380	807	.470		
	Total	397.181	824			
Outdoor	Between Groups	17.117	17	1.007	1.389	.004
	Within Groups	585.126	807	.725		
	Total	602.242	824			
Internet	Between Groups	16.293	17	.958	.980	.009
	Within Groups	789.424	807	.978		
	Total	805.716	824			

The above table reveals that any mean difference between the two sets of variables like media exposure and consumer purchase behaviour. The disk also indicates that media exposure as a source of information and its impact on consumer purchase behaviour towards packaging of FMCG products, with respect of the Media exposure i.e. TV, Radio, Newspaper and Magazine, Outdoor and Internet. The disk indicated that 764.381 is the between-group variation in the group of TV as a source of information and consumer purchase behaviour and 764.381 is the within-group variation of TV and Purchase behaviour of consumers. The box also reveals that F-distribution.858, Followed by, the level of significance is.05 is less than 0.05. Through this, the Alternative hypothesis accepted and the null hypothesis is rejected. The result shows that there is a significant influence of TV exposure on consumer purchasing FMCG products. And followed with media exposure channels like

Radio, Newspaper, and Magazine, Outdoor, and Internet of between groups variations are 20.409, 17.800, 17.117, 16.293 and their variance in Within group value is 759.113, 379.380, 585.126, 789.424. F-Statistic values are 1.276, 2.227, 1.389 and .980 followed with significant level are 0.200, 0.003, 0.004 and 0.009, all are less than 0.05 except 0.200. Finally, the results indicate that the Alternative hypothesis of a statement accepted while rejected the Null hypothesis. So the media exposure channels like newspaper and magazine, Outdoor and internet significantly impact on the consumer purchase behaviour, but radio (0.200) does not significantly impact on consumer purchase behaviour with respect of Packaging of FMCG products.

**HO<sub>2</sub>:** There is no significant difference in Consumer perception with Product Packaging Strategies towards purchasing of FMCG Products.

**Table 4:** ANOVAs

		<b>Sum of Squares</b>	<b>df</b>	<b>Mean Square</b>	<b>F</b>	<b>Sig.</b>
It keeps the products hygienic and fresh (CP1)	Between Groups	64.220	21	3.058	3.432	.000
	Within Groups	715.775	803	.891		
	Total	769.995	824			
It makes the product convenient to use (CP2)	Between Groups	29.879	21	1.423	1.799	.015
	Within Groups	635.183	803	.791		
	Total	665.062	824			
It makes product available in different sizes according to requirement (CP3)	Between Groups	82.479	21	3.928	4.545	.000
	Within Groups	693.929	803	.864		
	Total	776.407	824			
It communicates the necessary information (CP4)	Between Groups	66.079	21	3.147	3.279	.000
	Within Groups	770.569	803	.960		
	Total	836.647	824			
It acts as an attention seeker by attracting consumers? (CP5)	Between Groups	45.491	21	2.166	3.480	.000
	Within Groups	499.843	803	.622		
	Total	545.333	824			
Well- designed package creates promotional Value (CP6)	Between Groups	63.153	21	3.007	6.021	.000
	Within Groups	401.095	803	.499		
	Total	464.247	824			

The above box results reveal that any significance difference towards consumers opinion on the Product Packaging Strategies, with respect of the consumer perception are dimensions bundling keeps the product with fresh and hygienic (CP1), Packaging makes the item very suitable use (CP2), manufactures makes the product in various size with help of packaging (CP3), It has the role of good communication (CP4), it creates attention to the consumers (CP5), Well- designed package creates promotional Value (CP6). It is observed that from the above table, Strategies of product packaging dimension is bundling keeps the product with fresh and hygienic (CP1) and Product Packaging Strategies, 64.220 is the variance of between the group of samples and 715.775 is the group variance of within the sample. The disk also shows that the value of the F- distribution 3.432, the level of significance value is 0.000 which is lower than 0.05, so it's indicating that the null hypothesis can be rejected. So CP1 is

significantly differenced in the Product Packaging Strategies. And followed with variable of consumer perception like Packaging makes the item very suitable use (CP2), manufactures makes the product in various size with help of packaging (CP3), It has the role of good communication (CP4), it create attention to the consumers (CP5), Well- designed package creates promotional Value (CP6) and their variation in the between the groups are 29.879, 82.479, 66.079, 45.491 and 63.153 and their variance in the Within the group are 635.183, 693.929, 770.569, 499.843, and 401.095. F-Statistic values are 1.799, 4.545, 3.279, 3.480 and 6.021. Followed with a significant level are 0.00, 0.00, 0.000 and 0.000, the following values are lower than 0.05. So final results reveal that the null hypothesis can be rejected and the alternative hypothesis accepted. So all variables of consumer perception like CP2, CP3, CP4, CP4, CP5, and CP6 variables are significant differences in the Product Packaging Strategies.

**Table 5:** Descriptive Statistics

	<b>Mean</b>	<b>Std. Deviation</b>	<b>N</b>
It keeps the products hygienic and fresh (CP1)	4.18	.967	825
It makes the product convenient to use (CP2)	3.07	.898	825
It makes product available in different sizes according to requirement (CP3)	3.86	.971	825
It communicates the necessary information (CP4)	3.66	1.008	825
It acts as an attention seeker by attracting consumers?(CP5)	3.53	.814	825
Well- designed package creates promotional Value (CP6)	4.14	.751	825
Product Packaging Strategies(CPS)	3.7537	.36994	825

The mean values for Consumer Perception variables i.e. Packaging help the product to keep as fresh and hygienic (CP1), packaging maintain the product as better to use (CP2), Packaging makes product in various sizes to requirement (CP3), Packaging maintain proper communication (CP4), it create an attention seeker by

attracting consumers? (CP5), Well- designed package creates promotional Value (CP6) and Product Packaging Strategies (PPS) are found to be 4.18, 3.07, 3.86, 3.66, 3.53, 4.14 and 3.7537 with standard deviations of .967, .898, .971, 1.008, .814, .751 and 0.36994 respectively.

**Table 6: Correlations**

		(CP1)	(CP2)	(CP3)	(CP4)	(CP5)	(CP6)	PPS
It keeps the products hygienic and fresh (CP1)	Pearson Correlation	1	-.034	.060	-.139**	.191**	.033	-.087*
	Sig. (2-tailed)		.326	.084	.001	.008	.009	.001
	N	825	825	825	825	825	825	825
It makes the product convenient to use (CP2)	Pearson Correlation	-.034	1	-.093**	.057	.142**	-.063	.064
	Sig. (2-tailed)	.326		.007	.004	.000	.002	.064
	N	825	825	825	825	825	825	825
It makes product available in different sizes according to requirement (CP3)	Pearson Correlation	.060	-.093**	1	.002	-.021	.227**	.263**
	Sig. (2-tailed)	.084	.007		.959	.009	.000	.000
	N	825	825	825	825	825	825	825
It communicates the necessary information (CP4)	Pearson Correlation	-.139**	.057	.002	1	-.088*	.080*	.138**
	Sig. (2-tailed)	.000	.004	.959		.012	.002	.000
	N	825	825	825	825	825	825	825
It acts as an attention seeker by attracting consumers? (CP5)	Pearson Correlation	.191**	.142**	-.021	-.088*	1	-.069*	.062
	Sig. (2-tailed)	.000	.000	.009	.012		.007	.005
	N	825	825	825	825	825	825	825
Well- designed package creates promotional Value (CP6)	Pearson Correlation	.033	-.063	.227**	.080*	-.069*	1	.319**
	Sig. (2-tailed)	.007	.002	.000	.002	.007		.000
	N	825	825	825	825	825	825	825
Product Packaging Strategies	Pearson Correlation	-.087*	.064	.263**	.138**	.062	.319**	1
	Sig. (2-tailed)	.002	.064	.001	.008	.007	.009	
	N	825	825	825	825	825	825	825

\*\* . Correlation is significant at the 0.01 level (2-tailed).

\* . Correlation is significant at the 0.05 level (2-tailed).

**Note:** Variable of consumer perception like Packaging helps the product to keep as fresh and hygienic (CP1), packaging maintains the product as better to use (CP2), Packaging makes product in various sizes to requirement (CP3), Packaging maintains proper communication (CP4), and it creates an attention seeker by attracting consumers? (CP5), Well- designed package creates promotional Value (CP6) and Product Packaging Strategies (PPS). All the variables like Packaging maintain proper communication (CP4), and it creates an attention seeker by attracting consumers? (CP5), Well- designed package creates promotional Value (CP6) and Product Packaging Strategies (PPS) are significantly correlated with Packaging helps the product to keep as fresh and hygienic (CP1),but variables like CP2 and CP3 are not correlated. In the case of CP2 are significantly are correlated CP3, CP4, CP5 and CP6 except CP1 and PPS. Similarly, CP2, CP5, CP6 and PPS correlated with CP3.

However, CP4 is significantly are correlated CP1, CP2, CP6 and PPS except CP3, CP5. Followed by CP5 significantly correlated with all predictors except CP4. In case of CP6 is significantly correlated with all predictors. Finally, Product Packaging Strategies significantly correlated with all predictors, except CP2.

**Multiple regression between Consumer perception and Product Packaging Strategies:** In order to understand relationship between the different Consumer perception variables like Well- designed package creates promotional Value, Packaging keeps the product fresh and Hygienic, Use the product with packaging more conveniently, packaging of the product having proper information, packaging helpful towards availability of products in various sizes. Packaging creates attentions by the attracting the consumer and Consumer Purchase Behavior.

**Table 7: Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.449 <sup>a</sup>	.202	.196	.27968

a. Predictors: (Constant), Well- designed package creates promotional Value, Packaging keeps the product fresh and Hygienic, Use the product with packaging more conveniently, packaging of the product having proper information, packaging helpful towards availability of products in various sizes. Packaging creates attentions by the attracting the consumer

R<sup>2</sup> value reveals that the amount of difference in the dependent variables, and it is explained by the independent variables like Well- designed package creates promotional Value, Packaging keeps the product fresh and Hygienic, Use the product with packaging more conveniently, packaging of the product having proper information, packaging helpful towards availability of products in various sizes. Packaging creates attentions by the attracting the consumer. Followed by the R<sup>2</sup> value is the found that 0.202, it implies the meaning by 20.2% variation of difference explained by the predictors / independent variables. This is the total strength of association between dependent variables and independent / predictors.

**Table 8: Anova<sup>a</sup>**

Model	Sum of squares	Df	Mean square	F	Sig.	
1	Regression	16.173	6	2.696	34.461	.000 <sup>b</sup>
	Residual	63.985	818	.078		
	Total	80.158	824			

a. Dependent Variable: Packaging Strategies

b. Predictors: (Constant), Well- designed package creates promotional Value, Packaging keeps the product fresh and Hygienic, Use the product with packaging more conveniently, packaging of the product having proper information, packaging helpfully towards the availability of products in various sizes. Packaging creates attention by attracting the consumer.

**HO:** There is no statistically significant difference caused by the independent variables on packaging strategies of FMCG items  
 Since the F value is found to be significant, the null

hypothesis is rejected and the alternative is accepted, meaning thereby that there is a significant difference in the variation caused by predictors.

**Table 9.** Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2.643	.117		22.659	.000
	Packaging keeps the product fresh and Hygienic	-.043	.012	-.113	-3.452	.001
	Use the product with packaging more conveniently	.032	.013	.077	2.392	.017
	Packaging helpfully towards availability of products in various sizes	.082	.012	.216	6.603	.000
	packaging of the product having proper information	.038	.012	.105	3.253	.001
	Packaging creates attentions by the attracting the consumer	.048	.015	.105	3.219	.001
	Well- designed package creates promotional Value	.137	.016	.278	8.488	.000

a. Dependent Variable: Product Packaging Strategies

The above table indicates that the results towards P-values and 't' values of respected variables of the following the predictors like Well- designed package creates promotional Value (8.488), Packaging keeps the product fresh and Hygienic (-3.452), Use the product with packaging more conveniently (2.392), packaging of the product having proper information (3.253), packaging helpful towards availability of products in various sizes (6.603). Packaging creates attentions by the attracting the consumer (3.219). Followed by The p-values.001,.000,.001,.001,.000 values are the statistically significant because of this values are smaller than 0.005, whereas, variable like Use the product with packaging more conveniently having p-value is.017, which means it is not statistically significant because its value shows more than alpha value.

**8. Limitations of the research**

No research is without certain limitation specifically in the case of surveys conducted through structured questionnaires or personal interviews. So, the outcomes of the present study are limited or geographically responses may vary. By giving attention to these apparent reasons, we can see the following limitations: The sample is drawn from Hyderabad city; therefore, the sample may not represent the whole population. Hence, the limitation of generalization will be there. A sample size of 825 respondents has been selected in and around Hyderabad city as related to the universe, bias respondents responses, deficiency of published / unpublished literature on Product packaging strategies and time restriction could be some limitations. This study is not consider total FMCG product packaging, Since few categories in FMCG products are considered, like Personal care products (Cosmetics), Dairy products (Milk, Ghee, Ice cream), Food products (Biscuits, Bread, Cakes) and Beverages (Soft drinks & Energy drinks) and only to evaluate the packaging strategies impact on the purchase behaviour of final selected respondents. Personal bias of respondents while answering the question may have skewed the results slightly, although an effort has been made to verify the results through all sorts of quantitative and qualitative.

**9. Conclusions**

This has a look at attempted to explore the impact of product packaging strategies on consumer perception and try to realize its impact within the selection-making by

trying to consolidate the various view points to reach at an end that can better give an explanation for the notion of rationality and on the equal time the act of intake. As for the consequences confirmed that media exposure like TV, radio, newspaper and magazine and internet statistically sizable on patron belief in the direction of FMCG packaging, besides Radio. And FMCG packaging strategies have advantageous effect at the patron towards perception purchase belief. Ultimately, the researcher concluded that The entrepreneurs observed greater effective product packaging techniques and techniques in market for attracting and rendering new and existed customers for increasing enterprise and product marketplace proportion. Any product packaging development that gives protection of product, and it is beneficial to object is unadulterated is a victor.

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**11. References**

1. Arifeen NU, Hussain M, Kazmi S, Mubin M, Latif S, Qadri W. "Measuring Business Performance: Comparison of Financial, Non-Financial and Qualitative Indicators". *European Journal of Business and Management*, 6(4):38-45, 2014.
2. Baik S. "Package design management in SMEs", *Diversity and Management*, 2011, 1-6.
3. Behzad M. "The art of packaging: An investigation into the role of color in packaging, marketing, and branding", *International Journal of Organizational Leadership*, 2014, 92-102.
4. Borin N, Cerf DC, Krishnan R. "Consumer effects of environmental impact in product labelling". *Journal of Consumer Marketing*. 2011; 28(1):76-86.
5. Chaudhary, S. "Packaging as a Competition Tool". *International journal in IT and Engineering*, 2014, 2.
6. Deliya MM, Parmar BJ. "Role of packaging on consumer buying behavior: Patan District", *Global Journal of Management and Business Research*, 2012; 12(10).
7. Habib S, Masood H, Hassan ST, Mubin M, Baig U. "Operational Risk Management in Corporate and Banking Sector of Pakistan". *Information and*

- Knowledge Management. 2014; 4(5):58-66.
8. Labrecque L, Patrick VM, Milne GR. "The marketer's prismatic palette: A review of color research and future directions". *Psychology & Marketing*. 2013; 30(2).
  9. Nawaz A, Billoo M, Lakhan A. "Effect of Product Packaging in Consumer Buying Decision". *Journal of Business Strategies*. 2013; 6(2):1-10.
  10. Noorani HS, Setty K. "Three Steps for Successful implementation of Sales Portals in CPG companies". *International Journal of Retail and Distribution Management*. 2007; 35:746-749.
  11. Rundh B. "The Multi-faceted dimension of packaging: marketing logistic or marketing tool". *British Food Journal*. 2005; 107(9):670-84.
  12. Saeed R, Lodhi RN, Mukhtar AMJ, Hussain S, Mahmood Z, Ahmad M. "Factors Affecting Consumer Purchase Decision in Clothing Industry of Sahiwal, Pakistan". *World Applied Sciences Journal*. 2011; 24(7).
  13. Saeed R, Lodhi RN, Rauf A, Rana MI, Mahmood Z, Ahmed N. "Impact of Labelling on Customer Buying Behavior in Sahiwal, Pakistan", *World Applied Sciences Journal*. 2013; 24(9).
  14. Satyendra Singh. "Impact of color on marketing", *Management Decision*. 2007; 44(6):783-789.
  15. Silayoi P, Speece M. "The importance of packaging attributes: a conjoint analysis approach". *European Journal of Marketing*. 2007; 41:11-12.
  16. Silayoi P, Speece M. "Packaging and purchase decisions: an exploratory study on the impact of involvement level and time pressure". *British Food*. 2004; 106(8):607-628.
  17. Sharma N, Sudha R. "Visual Influence of Packing on Consumer Buying Behaviour of Ready-To-Eat Food Products", *International journal of enhanced research in educational development (IJERED)* 2014; 2(5):16-20.
  18. Thomas Sioutis. "Effects of Packaging design on consumer expectations of food product healthiness", *Aarhus School Of Business, Department of Marketing and Statistics*, 2011, 5-6.