# **INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, ECONOMICS & MANAGEMENT**



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## **CONTENTS**

Sr. No.	TITLE & NAME OF THE AUTHOR (S)	Page No.
1.	BANKING FOR THE POOR IN THE CONTEXT OF ISLAMIC FINANCE	1
2.	DAVOOD MANZUR, HOSSEIN MEISAMI & MEHDI ROAYAEE  THE RELATIONSHIP OF INSURANCE SECTOR DEVELOPMENT AND ECONOMIC GROWTH IN ETHIOPIA: EMPIRICAL EVIDENCE	5
3.	ADERAW GASHAYIE  ETHNIC CONSIDERATION IN POLITICAL COVERAGE BY NIGERIAN MEDIA	10
4.	DR. IFEDAYO DARAMOLA  ECONOMICS OF PROMOTING HIGHER EDUCATION: A CASE OF ROLE OF PRIVATE UNIVERSITIES AND COLLEGES IN THE SULTANATE OF OMAN	14
5.	HASINUL HUSSAN SIDDIQUE ANALYSIS OF CHRONIC AND TRANSIENT POVERTY IN RURAL OROMIYA - ETHIOPIA	19
6.	DEREJE FEKADU DERESSA TOWARDS A NEW MODEL FOR POVERTY REDUCTION IN NIGERIA	25
-	DR. AHMAD SANUSI, DR. AHMAD MARTADHA MOHAMED & ABUBAKAR SAMBO JUNAIDU  PERCEIVED EASE OF ACCESS/USE, PERCEIVED USEFULNESS, PERCEIVED RISK OF USAGE AND PERCEIVED COST OF USAGE OF MOBILE BANKING	
7.	SERVICES AND THEIR EFFECT ON CUSTOMER COMMITMENT FROM SELECTED COMMERCIAL BANKS IN RWANDA MACHOGU MORONGE ABIUD, LYNET OKIKO & VICTORIA KADONDI	29
8.	LOST IN TRANSLATION: A CLOSER LOOK AT THE SWEDISH ORGANIC CERTIFICATION AGENCY – KRAV  KHAN RIFAT SALAM & MAHZABIN CHOWDHURY	35
9.	STOCK MARKET, INFLATION, AND ECONOMIC GROWTH IN NIGERIA (1990-2010)  ADEGBITE, TAJUDEEN ADEJARE	38
10.	DETERMINANTS OF CUSTOMER SATISFACTION OF TRADITIONAL AND MODERN FORMATS IN FOOD AND GROCERY: THE CASE OF INDIAN RETAIL DR. SNV SIVA KUMAR & DR. ANJALI CHOPRA	44
11.		52
12.	PROBLEMS FACED BY THE WOMEN ENTREPRENEURS IN THENI DISTRICT-AN OVER VIEW  DR. A. SUJATHA	61
13.	AN ANALYTICAL STUDY ON PROFITABILITY AND CONSISTENCY OF INFORMATION TECHNOLOGY SECTOR IN INDIA  MOHAMMED NIZAMUDDIN & DR. PERWAYS ALAM	64
14.		69
<b>15</b> .	ANALYSIS OF VARIOUS POULTRY SOCIETIES IN VARIOUS DISTRICTS OF JAMMU & KASHMIR STATE  AASIM MIR & SHIV KUMAR GUPTA	72
16.		74
17.	A STUDY OF ISSUES AND CHALLENGES WITH REFERENCE TO THE WOMEN EMPOWERMENT IN INDIA	78
18.	DR. MARUTHI RAM.R., MANJUNATHA.N., ASRA AHMED & PARVATHY.L  INFLUENTIAL FACTORS OF CEMENT CONSUMPTION IN INDIA FOR 2011-12	82
19.	ANJAN REDDY VISHWAMPATLA & DR. P. SRINIVAS REDDY  WOMEN IN HANDLOOM INDUSTRY: PROBLEMS AND PROSPECTS	87
20.	S. VIDHYANATHAN & DR. K. DEVAN  NON-FARM SECTOR LOANS BY DINDIGUL CENTRAL COOPERATIVE BANK IN TAMIL NADU	91
21.	DR. T. SRINIVASAN  DEVELOPMENT OF WEAKER SECTION OF SOCIETY: A ROLE OF STATE FINANCIAL CORPORATIONS	94
22.	DR. SUSHIL KUMAR & MAHAVIR SINGH AN EMPIRICAL STUDY ON CONSUMER BUYING BEHAVIOR WITH RESPECT TO CONSUMER DURABLES	97
	ANU GUPTA & PRIYANKA SHAH	100
	C.A VISALAKSHI & K. BABY  ROLE OF GRAM SACHIV IN RURAL DEVELOPMENT - A CASE STUDY OF KURUKSHETRA DISTRICT	
24.	PARDEEP CHAUHAN	105
25.	AGMARK CERTIFICATION AND CONSUMERS' PERCEPTION- A STUDY WITH REFERENCE TO MADURAI DISTRICT OF TAMILNADU  DR. M. SANTHI	108
	KRISHNA.K M. & DR. S. MOKSHAPATHY	114
27.	HEALTH IMPACT OF IRON ORE MINES: A COMPARATIVE STUDY ON MINING AND NON-MINING INHABITANTS OF KEONJHAR DISTRICT OF ODISHA MINATI SAHOO	118
28.	IMPACT OF GLOBALIZATION AND LIBERALIZATION ON SCs AND STs IN INDIA- A BIRD VIEW DEEPA HANMANTHRAO & PADMAVATI R. SOMANI	122
29.	TO STUDY THE RELATIONSHIP BETWEEN STRESS-WORK LIFE BALANCE AND WORK ALIENATION AMONG WOMEN EMPLOYEES OF KERALA STATE GOVERNMENT IN TRIVANDRUM DISTRICT CHITHRA MOHAN.K	126
30.		130
	REQUEST FOR FEEDBACK	137

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**REVIEW OF LITERATURE** 

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STATEMENT OF THE PROBLEM

**OBJECTIVES** 

**HYPOTHESES** 

**RESEARCH METHODOLOGY** 

**RESULTS & DISCUSSION** 

**FINDINGS** 

RECOMMENDATIONS/SUGGESTIONS

CONCLUSIONS

SCOPE FOR FURTHER RESEARCH

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#### AN EMPIRICAL STUDY ON CONSUMER BUYING BEHAVIOR WITH RESPECT TO CONSUMER DURABLES

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#### **ABSTRACT**

The Consumer Durables industry has been witnessing significant growth in recent years, helped by several drivers such as the emerging retail boom, real estate and housing demand, greater disposable income and an overall increase in the level of affluence of a significant section of the population. The industry is represented by major international and local players such as BPL, Videocon, Voltas, Blue Star, MIRC Electronics, Titan, Whirlpool, etc. The research paper surveyed 300 customers from Surat, Vadodra, Ahmedabad and Rajkot and difference in buying behavior in context of education, Income, Occupation, and Employment was statistically tested. ANOVAs and descriptive analysis was used to find the influence of various factors like durability, price, promotional schemes, technology and service on income, occupation and employment status of consumers with respect to consumer durables.

#### **KEYWORDS**

Consumer durables, Disposable income, Reference groups, buying behavior.

#### **INTRODUCTION**

he Consumer Durables industry consists of durable goods and appliances for domestic use such as televisions, refrigerators, air conditioners and washing machines. Instruments such as cell phones and kitchen appliances like microwave ovens were also included in this category Reference groups influence consumer behavior in two ways: They set levels of aspiration for the individual, i.e. they offer clues as to what lifestyle should be led. They define items appropriate for a member of the group to lead that lifestyle the research paper therefore is an attempt to study the influence of reference group on consumer buying behavior .The research paper studies the same taking into consideration the various factors influencing buying behavior like price, durability, promotion scheme etc. The paper also tries to understand the differentials I these paper in terms of various demographic profiles of customer like education, occupation, qualification etc

#### LITERATURE REVIEW

In September 2007, According to Cygnus estimate, the total consumer durables market accounted for INR270 billion (considering all segments and sub-segments as discussed in the report) in 2006-07. Multinational companies particularly LG and Samsung have churned out significant market share due to their superior product offerings at best prices. However, few Indian companies are also trying hard to be in the competition and earn a respectable share in the consumer durables market.

This study conducted by Academy of Marketing Science Review (paleen kaur and raghbir singh) in 2006, Research on family decision making has been largely confined to spouses, who have been considered as the relevant decision making unit in a family. However, the role of third party influences, such as children, on decision making strategies and negotiations is essential to taking a broader view of the relevant unit of analysis. Contemporary researchers express that children constitute a major consumer market, with direct purchasing power for snacks and sweets, and indirect purchase influence while shopping for big-ticket items (Halan, 2002; Singh, 1998). Indian children have recently attracted considerable attention from marketers because the market for children's products offers tremendous potential (pegged at Rs. 5000 crore/\$1110mn) and is rapidly growing. According to available industry data, the chocolate and confectionary market is estimated at Rs. 1300 crore/\$290mn, the apparel market at Rs. 480 crore/\$110mn and kids footwear at Rs. 1000 crore/\$220mn (Bhushan, 2002). In addition to this, 54% of India is estimated to be under the age of 25 (Bansal, 2004).

The nature of joint decisions in couple decision making units and family decision making units is seen to be different (Filiatrault and Ritchie, 1980).. The Indian families have become more modern in SRO, such that the decision making has become more egalitarian (Chadha, 1995; Dhobal, 1999). Compared to this, the West is experiencing an increase in the number of single parent or female-headed households (Ahuja and Stinson, 1993; Mangleburg et al., 1999). Such a shift in family composition and structure has a bearing on the strength in the role that children are expected to play as buyers in the family.

#### **NEED OF THE STUDY**

In India consumer durables is in growth stage and needs to be explored to strengthen marketing activity or brand image of electronics consumer Durables Company. For achieving marketing goals, one should have the clear understanding of perceptions and preferences of consumers in their purchase decision for consumer durables and, influence of reference group and social class also.

#### **OBJECTIVES OF THE STUDY**

The research was aimed at studying the purchase pattern of consumers for consumer durables.

- To analyze the role of demographic factors on buying behavior with respect to consumer durables
- To analyze the consumer's perception about the brand of product they purchase
- To analyze the influence of social class on consumers' lifestyle characteristics and buying behavior.
- To study the factors affecting purchase of consumer durables.

#### **HYPOTHESES**

H<sub>1</sub>: Consumer's Income influences the brand he purchases

 $H_2$ : Durability/Price/Promotional schemes/Technology, Service influences the purchasing behavior in consumer durables with respect to different Income classes  $H_3$ : Durability/Price/Promotional schemes/Technology, Service influences the purchasing behavior in consumer durables with respect to different levels of education

 $H_4$ : Durability/Price/Promotional schemes/Technology, Service influences the purchasing behavior in consumer durables with respect to different employment classes

#### RESEARCH METHODOLOGY

Research Design	Descriptive				
Source Of Data Primary: Questionnaire, Personal Interviews					
	Secondary: Internet, websites, Organizational reports, Case studies, Business magazines, Books, Journals.				
Sample Size	300 consumers				
Sampling Frame	Serviceperson, Businessman, Household people, Students				
Sampling Technique	Convenience sampling				
Statistical Techniques	ANOVA				
Scope of the study	Ahmedabad, Vadodara, Rajkot, Surat				

#### **RESULTS AND DISCUSSION**

H<sub>1</sub>: Consumer's Income influences the brand he purchases

#### TABLE 1

Variable	No of	Overall						
Income	Samples	Mean	Television	Refrigerator	Washing Machine	Laptop	Mobile	A.C.
Less than 1.5 Lacs	39	2.64	F=1.400	F=3.517	F=3.266	F=2.086	F=8.277	F=5.289
1.5-3 Lacs	76	2.59						
3-5 Lacs	91	2.63	0.034	0.008	0.012	0.033	0.000	0.000
5-8 Lacs	54	2.65						
More than 8 Lacs	40	2.13						
Total	300	2.56						

The ANOVA test was conducted to find out the differences in Brand preference of consumers on the basis of different Income groups. The results showed that consumers of five different groups during their purchasing encounters were found to be different. The mean analysis showed that consumers with 5-8 Lacs (2.65) have direct impact on Brand Preference. Then it was followed by the consumers with income Less than Rs 1.5 Lacs(2.64), between 3-5 Lacs (2.63), between 1.5 to 3 Lacs (2.59), and more than 8 Lacs income (2.13).

The difference was found among brand preferences For TV (F = 1.400, p = 0.034) Refrigerator (F = 3.517, p = 0.008), Washing Machine (F = 3.266, p = 0.012), Laptop (F=2.086, p=0.033) Mobile (F = 8.277, p = 0.000) and Ac (F = 5.289, p = 0.000) which are significant at 0.05 level. So for that null hypothesis of equal means is rejected and alternative hypothesis is accepted. So, higher the Income of consumers leads to higher differences among Brand preferences in consumer durables.

#### INCOME WISE

H<sub>2</sub>: Durability/Price/Promotional schemes/Technology, Service influences the purchasing behavior in consumer durables with respect to different Income classes

#### TABLE 2

Variable	No of	Overall					
Income	Samples	Mean	Durability	Price	Schemes	Technology	Service
Less than 1.5 Lacs	39	3.39	F=1.185	F=3.210	F=5.481	F=6.143	F=2.422
1.5-3 Lacs	76	3.41					
3-5 Lacs	91	3.47	.117	.013	.018	0.00	.048
5-8 Lacs	54	3.64					
More than 8 Lacs	40	3.72					
Total	300	3.51					

The ANOVA test was conducted to find out difference in the preferences towards various features of consumer durable products on the basis of different Income groups. The results showed that consumers of five different groups during their purchasing encounters were found to be different. The mean analysis showed that consumers with income less than Rs 1.5 Lacs (3.39) have direct impact on various features of consumer durable products. Then it was followed by the consumers with income between Rs 1.5 and 3 Lacs (3.41), 3-5 Lacs (3.47), 5-8 Lacs (2.64) and more than 8 Lacs income (3.72).

The Difference was found towards various features of consumer durable products like Price (F = 3.210, p = .013), Schemes (F = 1.481, p = 0.018), Technology (F = 6.143 p = 0.00), Service (F = 2.422 p = 0.048) which are significant at 0.05 level. So for that null hypothesis of equal means is rejected and alternative hypothesis is accepted. We can say that different Income groups give different Priorities to Price in the consumer durables whose income is Less than 1.5 Lacs give more importance to price in compare to income groups of more than 8 lacs. We can say that different Income groups give different Priorities to Schemes in the consumer durables People whose income is less they give the most preference to various Schemes compare to High Income groups. Technology has a Significant at 0.05 levels. So here Technology influences the purchasing behavior in consumer durables with respect to income (different socio-economic class). We can say that different Income groups give different Priorities to Technology in the consumer durables Services have a Significant at 0.05 levels. So here Services influences the purchasing behavior in consumer durables with respect to income (different socio-economic class). Durability (F = 1.185, p = 0.017), which are not significant at 0.05 level. So for that null hypothesis of equal means is accepted and alternative hypothesis is rejected. So here Durability does not influence the purchasing behavior in consumer durables with respect to income (different socio-economic class).

#### **EDUCATION WISE**

H<sub>3</sub>: Durability/Price/Promotional schemes/Technology, Service influences the purchasing behavior in consumer durables with respect to different levels of education

**TABLE 3** 

Variable	No of	Overall					
Education	Samples	Mean	Durability	Price	Schemes	Technology	Service
Post Graduate & Above	102	3.43	F=.697	F=1.060	F=1.017	F=1.109	F=1.223
Graduate	175	3.67					
10 + 2	19	3.76	.554	.366	.035	.006	.002
10 <sup>th</sup> or below	4	3.66					
Total	300	3.51					

#### **EDUCATION WISE**

The ANOVA test was conducted to find out difference in the preferences towards various features of consumer durable products on the basis of different Education groups. The results showed that consumers of five different groups during their purchasing encounters were found to be different. The mean analysis showed that consumers with Education Post Graduate & Above (3.43) have direct impact on various features of consumer durable products. Then it was followed by the consumers who are Graduate (3.53), 10<sup>th</sup> or below (3.66), and 10 + 2 (3.76).

The Difference was found towards various features of consumer durable products like Schemes (F = 1.017, p = 0.035), Technology (F = 1.109, p = 0.006), and Services (F = 1.223, p = 0.002) which are significant at 0.05 level. So for that null hypothesis of equal means is rejected and alternative hypothesis is accepted. So here Durability does not influence the purchasing behavior in consumer durables with respect to Education (different socio-economic class). So here Price does not influence the purchasing behavior in consumer durables with respect to Education (different socio-economic class). We can say that different Education groups give different Priorities to Schemes in the consumer durables. Technology has a Significant at 0.05 levels. So here Technology influences the purchasing behavior in consumer durables with respect to education (different socio-economic class). We can say that different Education groups give different Priorities to Services in the consumer durables.

Other features like Durability (F = 0.697, p = 0.554) and Price (F = 1.060, p = 0.366) which are not significant at 0.05 Level so for that null hypothesis of equal means is accepted and alternative hypothesis is rejected. Hence there is no impact of Education group on Features like Durability and Price.

#### **EMPLOYMENT WISE**

H₄: Durability/Price/Promotional schemes/Technology, Service influences the purchasing behavior in consumer durables with respect to different employment classes

#### TABLE 3

Variable	No of	Overall					
Employment	Samples	Mean	Durability	Price	Schemes	Technology	Service
Salaried	120	3.48	F=5.111	F=1.685	F=2.648	F=4.187	F=2.559
Businessman	83	3.83					
Retired	1	3.00	0.001	0.153	0.034	0.003	0.039
Housewife	25	3.58					
Student	71	3.16					
Total	300	3.51					

#### **EMPLOYMENT WISE**

The ANOVA test was conducted to find out difference in the preferences towards various features of consumer durable products on the basis of different Employment groups. The results showed that consumers of five different groups during their purchasing encounters were found to be different.

The mean analysis showed that consumers with Employment Status Retired (3.00) have direct impact on various features of consumer durable products. Then it was followed by the consumers who are Student (3.16), Salaried (3.48), housewife (3.56), and businessman (3.88).

The Difference was found towards various features of consumer durable products like Durability (F = 5.111. p = 0.001), Schemes (F = 2.648, p = 0.034), Technology (F = 4.187, p = 0.003), and Service (F = 2.559, p = 0.039) which are significant at 0.05 level. So for that null hypothesis of equal means is rejected and alternative hypothesis is accepted.

Other feature like Price (F = 1.685, p = 0.153) which are not significant at 0.05 Level so for that null hypothesis of equal means is accepted and alternative hypothesis is rejected. Hence there is no impact of Education group on Feature like Price.

#### CONCLUSION

Income influences the purchasing decision of any consumer when they want to purchase any brand of consumer durables. Income dose not influence on durability feature in consumer durables, every consumer gives Preference to durability when they want to buy any consumer durable. Income influence on Price, Schemes, Technology and Services in consumer durables, every consumer give different reference to the above features with respect their income groups.

Consumer durable companies have an option to determine which income groups they want to target with respect to Price, Schemes, Technology and Services so by that way they can attract more Consumers towards him. Durability and Price does not influence the purchasing behavior in consumer durables with respect to Education. Schemes, Technology and Services influence the purchasing behavior in consumer durables with respect to Education.

Majority of the respondents (152) consider head of the family has the most effective reference group in CTV/LCD/PLASMA (consumer durables). Majority of the respondents (199) consider family members have the most effective reference group in Refrigerator (consumer durables). Majority of the respondents (192) consider of the family Members has the most effective reference group in washing Machine (consumer durables). Majority of the respondents (152) consider of the Friends/Relatives has the most effective reference group in laptop/Desktop Computer (consumer durables). Majority of the respondents (163) consider of the Friends/Relatives has the most effective reference group in mobile (consumer durables). Majority of the respondents (142) consider of the Head of Family has the most effective reference group in mobile (consumer durables).

#### LIMITATIONS AND FUTURE SCOPE OF RESEARCH

The sample size for the survey of customers was limited to 300 respondents, which might not be representative of all customers of Gujarat state. Research also depends on surveyors' bias & his/her ability to analyze the data & draw conclusion. Future research may be carried on taking some more variables and other consumer durables sector could be carried.

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