Consumers' Opinion on Cashless Trade in Erode City

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Abstract

Every nation requires cash to carry out its economic activity. Cash is the legal aspect with which all the transactions occur in a country. The circulation of currency notes provides scope for unaccounted transactions by creating unaccounted money or black money. This increases the disproportionate of expenditure with the accounted income thereby providing less scope for the taxable income. The transparency, efficiency, circulation of money through banking channel, impose of checks on black money necessitates the cashless transactions¹. Further, the advent of technology has increased the technology driven activities in the country. In this aspect, the present study examines opinion on cashless trade by employing chisquare analysis, ANOVA, Z-test and factor analysis. The result reveals the factors which are considered as significant by the people while using cashless trade.

Keywords: Black Money, Economic Activity, Technology and Transparency

1. Introduction

Money is the inevitable need of the people. The transactions carried out traditionally involved the physical entity of currency. As the technology has advanced and the economic platform becomes tech savvy, the advent of cashless trade is the trend in today's financial arena. All the transactions from meagre to large, is carried out mostly through paperless mode. The banks also encourage the use of technology driven mode of transactions. With a cashless society in the near future, there are many benefits, as well as, many negative implications². Moreover, after demonetization, the Prime Minister of India has focused on cashless economy. The attempts made by the government to make use of digital payment system and avoidance of cash payment by the people had given a push back to the people towards

cashless economy. In this aspect, the present chapter is an attempt to analyze the opinion of respondents on the factors considered for cashless trade in Erode city.

2. Review of Literature

Sunil Harsha³ conducted a study to know the perception of people towards plastic money and the importance of plastic money in the daily life of consumers. It concluded that usage of plastic money was rising up in the market. Rajendra Kumar⁴ explained the effect of demonetization on the life of public in India. The study concluded that it had deeper impact on the life of public as they find it difficult to move from physical to digital currency. Roshan S Patel⁵ studied demonetization as a way to cashless payment system in India. They concluded that after demonetization, people got aware and undertook

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different types of mechanism for doing cashless transactions and the whole country as a cashless economy could get more benefits. Vaibhav Shahaji Patil and Jyoti Mishra⁶ analyzed to know the merits and demerits of cashless trade. The study concluded that the authorities have to ensure primarily the network to facilitate digital transactions without interruption. Thabani Nyoni and Wellington G Bonga⁷ studied the development of cashless transacting economy in Zimbabwe. They concluded that wealth and money creation should be linked to productivity.

3. Objectives of the Study

- To understand the opinion level of respondents on factors considered for cashless trade.
- To analyze about the importance of factors considered by the respondents while deciding about cashless payment.

4. Methodology

The research was carried out by selecting 250 respondents who were using cashless mode of transactions in the study area by adopting Convenience Sampling Technique. The primary data have been collected with a pre-tested and well structured Questionnaire. The analysis was carried out by using chi-square test, ANOVA and Z-test at 5% level of significance. Further, the important factors

considered in making cashless trade were grouped based on their significance by using Factor Analysis.

5. Hypotheses

H₀₁: The independent variables have no association with factors deciding opinion level of the respondents towards cashless trade.

H_{oo}: There is no impact of independent variables on the level of opinion of the respondents towards cashless trade.

6. Analysis and Discussion

The following are the findings of the study:

6.1 Classification of the Respondents by **Opinion Score**

The level of opinion of the respondents towards cashless trade is classified as low level, medium level and high level which are given in Table 1.

The Table 1 reveals that 20.8% of the respondents have low level of opinion, 68% of the respondents have medium level of opinion and 11.2% of the respondents have high level of opinion on the factors considered for cashless trade. Hence, the majority (68%) of the respondents have medium level of opinion on the factors considered for cashless trade.

Table 1. Classification of the respondents by opinion score

Opinion Level	Number of Respondents	Total Score	Mean Score	Standard Deviation
Low Level	52 (20.8)	1917	36.87	5.61
Medium Level	170 (68)	8568	50.40	3.85
High Level	28 (11.2)	1645	58.75	2.40
Total	250 (100)	12130	146.02	11.86

Source: Computed

6.2 Level of Opinion towards Cashless **Trade**

The association between various explanatory variables and level of opinion on cashless trade is analyzed by framing a null hypothesis and the same is tested with Chisquare test at 5% level of significance. The details of the findings are shown in Table 2.

It is found from Table 2 that the null hypothesis on age, gender, occupational status, nature of family, area of residence, monthly family income, monthly family expenditure, comfort level and frequency of usage have

been accepted and educational qualification, marital status and size of the family have not been accepted. Hence, it is inferred that there is a significant association between educational qualification, marital status, size of the family and opinion on factors considered for cashless trade.

The impact of various independent variables on the level of opinion towards cashless trade is analyzed by framing a null hypothesis and the same is tested with ANOVA and Z-score analysis at 5% level of significance. The results are shown in Table 3 and Table 4.

Table 2. Association between level of opinion on cashless trade and explanatory variables - Chi-square test

Variables	Degrees of Freedom	Chi-square Value	P-Value	Result
Age	4	4.104	0.392	Insignificant
Gender	2	5.872	0.053	Insignificant
Educational Qualification	6	15.151	0.019	Significant
Occupational Status	6	3.681	0.720	Insignificant
Marital Status	2	20.718	0.010	Significant
Nature of Family	2	1.881	0.390	Insignificant
Area of Residence	4	6.415	0.170	Insignificant
Size of the Family	4	11.258	0.024	Significant
Monthly Family Income	4	9.079	0.590	Insignificant
Monthly Family Expenditure	4	0.566	0.967	Insignificant
Comfort Level	2	0.227	0.893	Insignificant
Frequency of Usage	4	5.620	0.229	Insignificant

Source: Computed

Table 3. Opinion on cashless trade - ANOVA

Factor	Variable	Sum of Squares	Degrees of Freedom	Mean Square	F- Value	Result
	Between Groups	2.159	2	1.080		
Age	Within Groups	147.365	247	0.597	1.809	Insignificant
	Total	149.524	249	1.677		
	Between Groups	0.647	2	0.323		
Educational Qualification	Within Groups	173.753	247	0.703	0.460	Insignificant
	Total	174.400	249	1.026		
	Between Groups	0.682	2	0.341		Insignificant
Occupational Status	Within Groups	175.574	247	0.711	0.480	
	Total	176.256	249	1.052		
	Between Groups	0.970	2	0.485		
Area of Residence	Within Groups	125.946	247	0.510	0.951	Insignificant
	Total	126.916	249	0.995		
	Between Groups	0.325	2	0.162		
Size of Family	Within Groups	101.659	247	0.412	0.394	Insignificant
	Total	101.984	249	0.574		

Table 3 Continued

	Between Groups	3.095	2	1.548		
Monthly Family Income	Within Groups	115.789	247	0.469	3.301*	Significant
	Total	118.884	249	2.017		
	Between Groups	0.061	2	0.30		
Monthly Family Expenditure	Within Groups	135.923	247	0.550	0.055	Insignificant
	Total	135.984	249	0.850		
	Between Groups	0.370	2	0.185		
Frequency of Usage	Within Groups	117.730	247	0.477	0.388	Insignificant
	Total	118.100	249	0.662		

Source: Computed *Significant

Table 4. Opinion score on cashless trade: Z-Test

Factor	Mean I	Mean II	Difference	S.D	S.E	Z-Value	Result
Gender	48.660	48.4	0.261	15.338	0.970	0.269	Insignificant
Marital Status	50.354	45.903	4.451	15.051	0.952	4.676*	Significant
Nature of Family	49.526	48.080	1.446	15.164	0.959	1.508	Insignificant
Comfort Level	48.413	48.735	0.322	15.838	1.002	0.321	Insignificant

Source: Computed

 *Significant

It is found from the Tables 3 and 4 that null hypothesis on age, gender, educational qualification, occupational status, nature of family, area of residence, size of the family, monthly family expenditure, comfort level and frequency of usage have been accepted and marital status and monthly family income have not been accepted. Hence, it is inferred that there is a significant impact of marital status and monthly family income on the opinion of the respondents towards cashless trade.

6.3 Respondents' Opinion – Factor Analysis

The factors rated by the respondents which influence their opinion level towards cashless trade are taken up for factor analysis. Bartlett's test of Sphericity and Kaiser-

Table 5. KMO and Bartlett's test of sphericity

Kaiser-Meyer-Olkin measure of Sampli	0.776	
	Approx. Chi-Square	716.781*
Bartlett's Test of Sphericity	df	105
	Sig.	.000

^{*}Significant at 5% level

Table 6. Component matrix of opinion variables

N		Components				
No.	Factors	1	2	3	4	
1	Ability to use the payment choice in multiple locations	0.605	0.147	-0.098	0.415	
2	Fraud Concerns	0.678	0.243	-0.173	0.265	
3	Privacy of Information	0.563	0.350	0.264	0.004	
4	Time Saving	-0.027	0.097	0.239	0.743	
5	Lower Rate of Tax	0.002	0.022	0.633	0.279	
6	Risk of Counterfeit Money	0.088	0.104	0.694	0.159	
7	Convenience	0.245	0.343	0.580	0.003	

Table 6 Continued

8	Speed of Making the Payment	0.631	-0.116	0.344	0.162
9	Cost of Payment	0.638	-0.196	0.390	-0.083
10	Payment Tracking	0.373	-0.195	0.280	0.573
11	Security	0.324	0.104	0.018	0.603
12	Easy of Refunds	0.127	0.277	0.186	0.554
13	Merchants Acceptance	0.140	0.643	0.246	-0.132
14	Technical knowhow	0.004	0.724	0.071	0.172
15	Internet Connection	-0.068	0.701	-0.063	0.255

Extraction Method: Principal Component Analysis

Meyer-Olkin (KMO) measure of sampling adequacy are used to the correlation matrix to know the significance of relationship among the variables. The details of the findings of KMO and Barlett's test are shown in Table 5.

Table 5 reveals that the test value is 716.781 at 5% significant level. Further, there exists correlation between the variables. The value of test statistic is 0.776 which is more than 0.5 indicating that the factor analysis for the selected variables is appropriate to the data. The factors are extracted by using principal component analysis. The model identifies 4 factors based on Eigen values. The Table 6 shows the component matrix for the factors.

Table 6 evinces that principal component analysis has derived four factors. These are called as factor loadings. The total of 15 factors is thus reduced to 4 factors which is presented in Table 7.

The Table 7 shows that the Factor 1 named as utility services comprises of variables viz. ability to use the payment choice in multiple locations, fraud concerns, privacy of information, speed of making the payment and cost of payment. The Factor 2 named as technical services comprises merchant acceptance, technical knowhow and internet connection. The Factor 3 named as risk

and convenience comprises lower rate of tax, risk of counterfeit money and convenience. The Factor 4 named as protective measures comprises time saving, payment tracking, security and easy of refunds.

7. Suggestions and Recommendations

Following are the suggestions offered to improve the level of opinion on cashless trade.

- The card system should be designed in such a way that it removes defects in the risk of counterfeit money, fraud concerns, cost of payment and security.
- The banks and financial institutions should create awareness and arrange more training campaign thereby encouraging the customers to increase the usage of cashless trade.
- It should make online payment methods easier and simpler, make them more secure, risk free and provide incentives like discounts on online payment.

Table 7. Factor definition – opinion on factors determining usage of cashless trade

Factor	Variables	Factor Loading
	Ability to use the payment choice in multiple locations	0.605
	Fraud Concerns	0.678
FACTOR I (Utility Services)	Privacy of Information	0.563
	Speed of making the Payment	0.631
	Cost of Payment	0.638
	Merchant Acceptance	0.643
FACTOR II (Technical Services)	Technical Knowhow	0.724
	Internet Connection	0.701
	Lower Rate of Tax	0.633
FACTOR III (Risk and Convenience)	Risk of Counterfeit Money	0.694
	Convenience	0.580
	Time Saving	0.743
FACTOR IV	Payment Tracking	0.573
(Protective Measures)	Security	0.603
	Easy of Refunds	0.554

The government authorities should provide awareness about the benefits of cashless trade through advertisements.

8. Conclusion

The cashless trading is the buzz word today. Even though some people find it difficult to make cashless trade, it is imperative in the present tech savvy scenario. The cashless trade reduces the burden of shopping. Online trading companies survive through the help of these cashless payment facilities. The present study focuses on finding the level of opinion on cashless trade and the importance of factors considered while making the cashless transaction by the respondents. The study revealed that most of the respondents have medium level of opinion on cashless trade. The suggestions thus provided will enable the concerned authorities to create a scenario wherein the entire nation becomes the user of cashless trade.

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