

MODELLING FACTORS OF DISTRIBUTION STRATEGY OF MOBILE DEVICES IN INDIA – AN AHP APPROACH

Abdul Jalil Khan

Research Scholar, Dept. of Business Admin., AMU, Aligarh

Asif Akhtar

Assistant Professor, Dept. of Business Admin., AMU, Aligarh

Abstract:

Introduction

Distribution of products constitutes an important element of marketing mix of a firm. After development of the product, the company has to decide channels or routes through which the product will flow from the factory to the potential customers.

Objectives

This paper aims to highlight the factors of distribution strategy of Mobile devices in India as identified from literature. The role of these actors is analysed and categorised using a Multi Criteria Decision Model (MCDM) technique known as Analytic Hierarchy Process (AHP).

Methodology

The AHP method applied in this paper is a structured technique for organizing and analysing complex decisions. This method has proven to be effective in various group decision-making applications. It thus finds application in the present study to create a hierarchy among the identified study variables by assigning weights.

Study Variables

The factors of distribution strategy in the Indian context i.e. Customer service, Marketing Capability, Supplier Integration, Customer Satisfaction, Channel Management Practices are identified by reviewing the relevant literature sources.

Managerial Implications

The study would be relevant for Marketers in designing the distribution strategy of Mobile devices. These key variables that would need to be emphasized for the effective distribution channel are modelled.

Keywords: Distribution Strategy, MCDM, Analytic Hierarchy Process,

Introduction

Fierce competition in today's global markets, the introduction of products with shorter life cycles, and the heightened expectations of customers have forced business enterprises to invest in, and focus attention on, their supply chains. This, together with continuing advances in communications and transportation technologies (e.g., mobile communication, Internet, and overnight delivery), has motivated the continuous evolution of the distribution channel and of the techniques to manage it effectively.

Channel performance is a key marketing and organizational issue, given the potential and actual impact in the accomplishment of organizational goals. A recent trend in distribution strategy has been the increasing utilization of multiple channels across sectors. Because of the newness of these channel systems, it is important to understand how they influence key channel performance indicators.

Lilien and Kotler (1983) propose several dimensions to the channel design decision. Issues concerning the choice of distribution channels have always been considered important by marketing thinkers and practitioners. Traditionally, this has stemmed, in part, from the marketing concept having the exchange process at its core, with the exchange being facilitated by distribution channels. A reason for the importance of the channel decision is its long-term nature. Choice of channel represents an enduring commitment: heavy investments are required and are not easily redeployed, and the social and political character of distribution channels (Stern and Reve, 1980) means that change can be difficult and painful. For the above reasons, the channel decision process must be the subject of a systematic channel decision process from start to finish.

Heide and John (1988) found that intermediaries who bonded more closely with their customers became less dependent on their suppliers and improved their financial performance. They view an agent's offsetting specific investments in key customers as a device for strengthening customer bonds and increasing their switching costs, thereby safeguarding the agent's specific assets in its exchange relationships with manufacturers.

Furthermore, distribution is now increasingly seen as one of the key marketing variables (Devlin, 1995 ;), capable of providing significant competitive advantage, particularly perhaps in service sectors where consumer, technological, and regulatory trends have increased competitive pressures markedly. Unsurprisingly, there is an increased range of distribution possibilities, which has intensified another concern, that being how to build a logical distribution structure (Moriarty and Moran, 1990). This is of particular interest in the retail financial services sector, where multiple channels are being used extensively (see, for example, Beckett, 2000).

For most firms, distribution system is a key decision for building a successful business. Many companies have built lasting competitive advantages through their choices of distribution systems, which are integrated into coherent and well-executed

business models. An excellent distribution system is critical to a company's efficient and profitable performance.

One of the main decisions related to distribution systems is choosing a distribution channel. The use of multiple distribution channels has increased steadily (Dutta et al., 1995; Easingwood and Storey, 1996; Frazier, 1999; Coelho, 2003). Some advantages of using multiple channels according to the literature are sales growth (Thornton and White, 2001) and cost reduction through low-cost channels (Sathye, 1999; Thornton and White, 2001; Wright, 2002). On the other hand, multiple channels lead to disadvantages, such as customer resentment due to different prices associated with different channels and conflicts among channels resulting from the competition among different channels. Multiple channels can also lead to intermediary turnover and result costs to suppliers, as well as the additional costs of establishing a new channel and operating it. Whether the strategy of multiple channels has a positive or negative impact on firm performance is, thus, an important empirical as well as theoretical question/issue.

More and more companies become multi-channel operators (Ganesh, 2004; Coelho et al., 2003). Therefore, managers need metrics that help them assess the performance of each individual sales channel, as well as the interrelationships among the different sales channels in their portfolio. Preferably, these metrics should be grounded in marketing theory and should be objective, based on readily available data, easy to quantify, intuitively appealing, and should have diagnostic value (Ailawadi et al., 2003).

Strategic Channel Choices

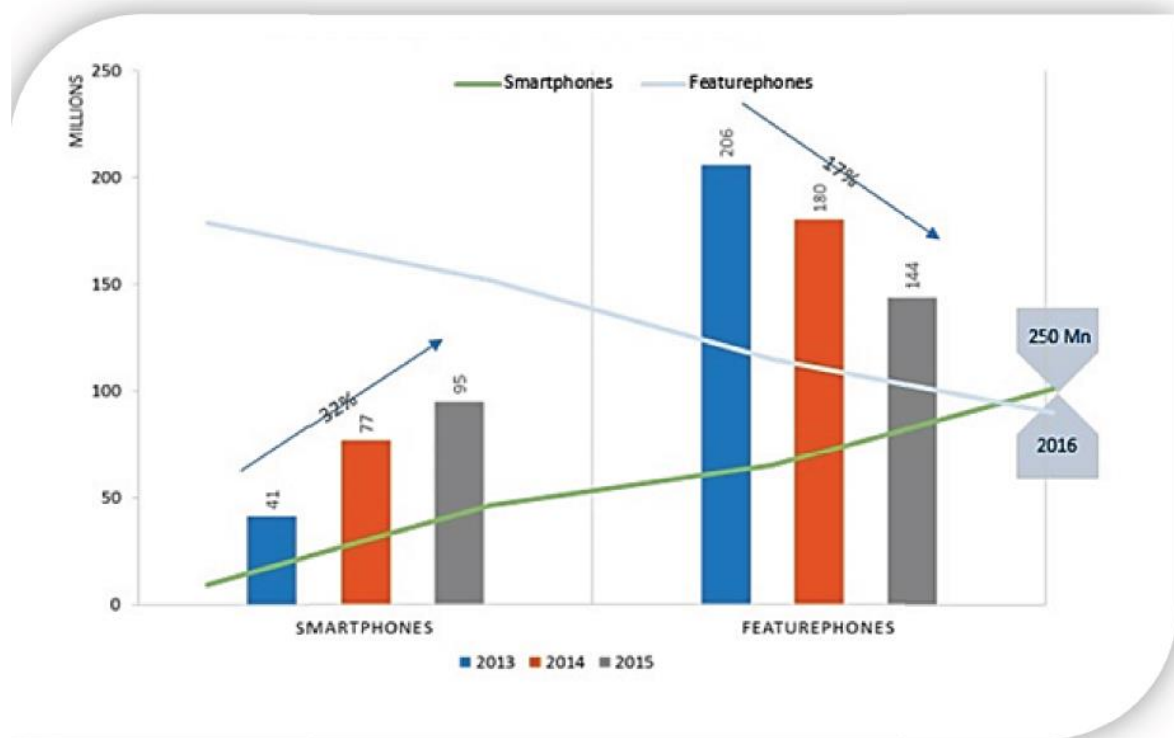
An important consideration when formulating channel policy is the degree of market exposure sought by the company. Choices available include:

- ❖ **Intensive distribution:** where products are placed in as many outlets as possible. This is most common when customers purchase goods frequently, e.g. household goods such as detergents or toothpaste. Wide exposure gives customers many opportunities to buy and the image of the outlet is not important. The aim is to achieve maximum coverage.
- ❖ **Selective distribution:** where products are placed in a more limited number of outlets in defined geographic areas. Instead of widespread exposure, selective distribution seeks to show products in the most promising or profitable outlets, e.g. high-end 'designer' clothes.
- ❖ **Exclusive distribution:** where products are placed in one outlet in a specific area. This brings about a stronger partnership between seller and re-seller and results in strong bonds of loyalty. Part of the agreement usually requires the dealer not to carry competing lines, and the result is a more aggressive selling effort by the distributor of the company's products, e.g. an exclusive franchise to sell a vehicle brand in a specific geographical area, in return for which the franchisee agrees to supply an appropriate after sales service back-up.

Indian Mobile Devices Industry

Year 2015, has seen some tectonic shifts for Indian mobile devices industry. We continued to see entry of new brands and the expansion of portfolio of existing ones. From a breakthrough point of view, there wasn't anything remarkable except that Samsung came out with the curved design (Edge series) and Apple launched iPhone 6S and 6S+ with 3D functionality. Both the developments happened for the premium segment (> ₹50,000), Which in india is just 0.6% of the market (CMR's India Monthly Mobile Handset Market Review)

Figure 1 India Smartphone versus Featurephones, 2013-2015



So, while it has been time and again proved India is a low to medium priced handsets market, 2015, has not added some great feature sets to enrich user experience. However, the industry has been able to offer more to a user for same or even less. Anecdotally, the ASP (Average Selling Price) for a Smartphone in 2013 was ₹13,000 (volume: 41 mn units), which has come down to ₹10,700 (volume: 95 mn units) by the end of 2015. At the same time, the specifications of a Smartphone have improved substantially. In 2013, just 0.07% of Smartphones shipped had 4GB RAM for instance, which in 2015, was a little over 0.6%. Similarly, other major specifications that trigger the buyer's decision to purchase a Smartphone have improved while ASPs exhibited a receding trend.

An examination of the present scenario, coupled with an analysis of historical trends tells us that the market for India mobile handsets will settle around 250 mn units in 2016, a 4% growth compared to 2015. The outlook seems suggest that this trend will continue for a few more years, as we move towards a 'Smartphones only' market; this

is because the predicted demise of Feature phones does not seem likely anytime very soon.

Variables for the study

1. Customer Service

The first process is customer service, defined as deeds, processes and performances (Zeithaml and Bitner, 1996) which are largely intangible tasks that satisfy buyer or user needs. A growing number of researchers suggest that superior customer service leads to competitive advantage (e.g. Easing wood and Mahajan, 1989; Morris and Westbrook, 1996).

2. Marketing Capabilities:

According to Day (1994), marketing capability is defined as integrative processes designed to apply the collective knowledge, skills, and resources of the firm to the market-related needs of the business, enabling the business to add value to its goods and services and meet competitive demands. The importance of learning processes in the marketing capability development process has been stressed in recent research (Vorhies and Harker, 2000). Marketing capabilities are developed via learning processes when the firm's employees repeatedly apply their knowledge to solving the firm's marketing problems (Day, 1994; Grant, 1991, 1996).

3. Supplier Integration

Integrated Suppliers is a concept for improving the part of the supply chain between manufacturers and their tiers of suppliers of ingredients, raw materials and packaging. By sharing information both parties are able to exercise judgment on costs, quantities and timing of deliveries and production in order to streamline the product flow and to move to a collaborative relationship.

In the distribution channel, suppliers have to relate to channel intermediaries as customers, employees, competitors, and partners. Thus, there is the opportunity for incongruent role specification, role expectation, and role performance. Suppliers have to determine how they will relate to intermediaries in order to promote collaborative channel activity which strengthens its (channel) long-term competitiveness. (Morris Perry, 1989).

4. Customer Satisfaction

Satisfaction is typically defined as a positive affective state resulting from the appraisal of all aspects of a firm's working relationship with another. Satisfaction plays an important role in relationships and has been found to be instrumental in increasing cooperation between channel partners, and leading to fewer terminations of relationships.

5. Channel Conflicts

Channel conflict is usually referred that one member in channel see another channel member as competitor who prevent and hinder his goals. Channel conflict

is kind of a hostile or discordant status among customers and dynamic process from potential conflict state to significant conflict state (Porter, 2001)

When channel member' behavior is contrary to the behavior of members in other channel, channel conflict arises. The increased affordability of mobile phones along with increasing network coverage, make cell phones a vital means of increasing financial access.

Channel conflict includes the following states: channel member is aware that the other channel member is preventing him achieve their goals or effective operation. Or channel members are aware that another channel member is engaged in activities that threaten its interests to obtain the scarcity of resources. (Kotler, 2000).

There are many reasons causing channel conflicts, which can mainly be attributed to inconsistency of the target of the members, undefined tasks and rights, different feeling and high dependency. (Xiunjun, 2002)

Objectives of the Study:

1. To identify the key factors of Distribution Strategies of Mobile Devices.
2. To develop AHP based model of Distribution strategies for Mobile devices in India.

Research Methodology:

In this study the researcher has tried to identify some key variables which affect the distribution channel strategies of the Mobile Devices. The variables identified are subjected to AHP analysis wherein the priority based factors have been established.

Key variables of the study include five major factors of distribution strategies viz. Customer Service, Marketing Capability, Suppliers Integration, Customer Satisfaction and Channel conflicts. The research design is descriptive in nature and type of data used is both primary and secondary. The nature of the study is qualitative and Analytical Hierarchy Process (AHP), a Multi Criteria Decision Model (MCDM) Technique is used.

Analytical Hierarchy Process(AHP) Methodology

The Analytic Hierarchy Process (AHP) was developed at the Wharton School of Business by Thomas Saaty in the 1970s. The method has found application for making complex policy decisions in areas involving multiple criteria. AHP helps in capturing subjective and objective information (Manning et al., 2011) by identifying and weighting the criteria considered essential to these decisions. The method also incorporates a check for consistency of the various weights employed to overcome bias in the overall decision-making process (Saaty, 1994). While other MultiCriteria Decision Making (MCDM) methods could have been selected for application to our problem, these methods do not have ready provisions for testing of key parameters using sensitivity analysis, or checking for inconsistency to enable correction of results should the selected participants in the study generate inconsistent rankings of alternatives. One of the other main benefits of the AHP is that it gives coherence to, and allows the ranking of experts' knowledge about competing alternatives with multiple attributes. It is less useful in areas where knowledge is limited.

Since its formulation, AHP has been applied for a vast number of areas, but its application for the problem that has been taken up in this paper is unprecedented. The method has previously been applied in wide ranging disciplines such as the health sector (Saaty, 1994), as well as the education sector (Alexander & Saaty, 1977). It has also witnessed applications in the areas of finance (Saaty, 1990) and engineering (Triantaphyllou & Mann, 1995).

The AHP procedure involves six essential steps (Lee et al., 2008),

1. Definition of the unstructured problem
2. Development of the AHP hierarchy
3. Pair-wise comparisons
4. Estimation of the relative weights
5. Check for consistency
6. Establishment of overall rating

These steps are briefly explained as follows:

Step 1: Define the unstructured problem

In this step the unstructured problem and its determinants should be recognized and the objectives and outcomes stated clearly.

Step 2: Developing the AHP hierarchy

This step involves the decomposition of the decision problem into a hierarchy that consists of the most important elements of the decision problem (Borouhaki and Malczewski, 2008). In this step the complex problem is decomposed into a hierarchical structure with decision elements. A representation of this structure is depicted in Figure 2.

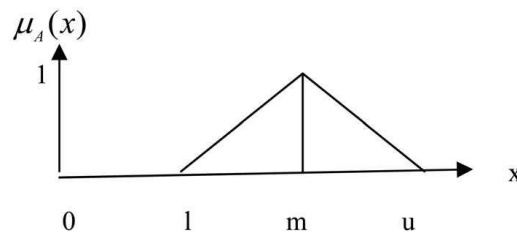


Figure 2: Triangular membership function

Step 3: Pair-wise comparison

For each element of the hierarchy structure, pairwise comparison of all the associated elements is carried out in pair-wise comparison matrices as follows:

$$A = \begin{matrix} & \begin{matrix} 1 & \frac{w_1}{w_2} & \dots & \frac{w_1}{w_n} \end{matrix} \\ \begin{matrix} \frac{w_2}{w_1} \\ \frac{w_n}{w_1} \end{matrix} & \begin{matrix} \frac{w_2}{w_2} & 1 & \dots & \frac{w_2}{w_n} \\ \frac{w_n}{w_2} & \frac{w_n}{w_2} & 1 & \end{matrix} \end{matrix}$$

Where: A = comparison pair-wise matrix,

w₁ = weight of element 1,

w₂ = weight of element 2,

w_n = weight of element n.

In order to determine the relative preferences for two elements of the hierarchy in matrix A, an underlying semantic scale is employed with values ranging from 1 to 9 to rate relative importance (Table 1).

Preferences expressed in linguistic variables	Preferences expressed in numeric variables	Reciprocal (decimal)
Extreme Importance	9	1/9 (0.111)
Very strong to extremely	8	1/8 (0.125)
Very strong Importance	7	1/7 (0.143)
Strongly to to very strong	6	1/6(0.167)
Strong Importance	5	1/5(0.200)
Moderately to Strong	4	1/4(0.250)
Moderate Importance	3	1/3(0.333)
Equally to Moderately	2	1/2(0.500)
Equal Importance	1	1 (1.000)

Table1. Scales for pair-wise comparison (Saaty, 1980)

Step 4: Estimate the relative weights

Some methods like eigenvalue method are used to calculate the relative weights of elements in each pair-wise comparison matrix. The relative weights (W) of matrix A is calculated from following equation:

$$A \times W = \lambda_{\max} \times W$$

Where λ_{\max} = the biggest eigenvalue of matrix A, I = unit matrix.

Step 5: Check the consistency

In this step the consistency property of matrices is checked to ensure that the judgments of decision makers are consistent. For this end some pre-parameter is needed. Consistency Index (CI) is calculated as:

$$CI = \frac{\lambda_{\max} - n}{n - 1}$$

The consistency index of a randomly generated reciprocal matrix shall be called to the random index (RI), with reciprocals forced. An average RI for the matrices of order 1–15 was generated by using a sample size of 100 (Nobre et al., 1999). The table of random indexes of the matrices of order 1–15 can be seen in Saaty (1980). The last ratio that has to be calculated is CR (Consistency Ratio). Generally, if CR is less than 0.1, the judgments are consistent, so the derived weights can be used. The formulation of CR is:

$$CR = \frac{CI}{RI}$$

Step 6: Obtain the overall rating

In last step the relative weights of decision elements are aggregated to obtain an overall rating for the alternatives as follows:

$$w_i^s = \sum_{j=1}^m w_{ij}^s w_j, i=1,2,\dots,n$$

Where s

w_i^s = total weight of alternative i ,

w_{ij}^s = weight of alternative i associated to attribute j ,

w_j = weight of attribute j ,

m = number of attributes,

n = number of alternatives

Results and Discussion

STEP 1: Criteria Comparison Matrix, C

The table is constructed between the factors which are affecting the decision of distribution channels. The point is given according to the priority which we consider will be affecting the channel more. Having identified the various factors of distribution strategies, the next step in the AHP method is formulation of Criteria Comparison Matrix.

	CUSTOMER SERVICE	MARKETING CAPABILITY	SUPPLIERS INTEGRATION	CUSTOMER SATISFACTION	CHANNEL CONFLICTS
CUSTOMER SERVICE	1	3	3	5	5
MARKETING CAPABILITY	0.33	1	3	3	3
SUPPLIERS INTEGRATION	0.33	0.33	1	3	3
CUSTOMER SATISFACTION	0.2	0.33	0.33	1	3
CHANNEL CONFLICTS	0.2	0.33	0.33	0.33	1
SUM	2.06	4.99	7.66	12.33	15

STEP 2: Normalization of Comparison Matrix

Normalization of matrix is done by dividing each with sum of their respective column.

	CUSTOMER SERVICE	MARKETING CAPABILITY	SUPPLIERS INTEGRATION	CUSTOMER SATISFACTION	CHANNEL CONFLICTS
CUSTOMER SERVICE	0.485	0.601	0.392	0.406	0.333
MARKETING CAPABILITY	0.160	0.200	0.392	0.243	0.200
SUPPLIERS INTEGRATION	0.160	0.066	0.131	0.243	0.200
CUSTOMER	0.097	0.066	0.043	0.081	0.2

SATISFACTIO N					
CHANNEL CONFLICTS	0.097	0.066	0.043	0.027	0.067
SUM	1.000	1.000	1.000	1.000	1.000

The next step is normalization of Criteria Comparison Matrix.

Normalization of Comparison Matrix: Normalization of matrix is made by dividing each criteria with sum of the respective column.

After arriving at Normalized matrix, a Criteria Weight matrix is to be calculated

Criteria Weight {W}: It can be found out by taking average of each row which is shown as follows:

$$W = \begin{pmatrix} 0.44 \\ 0.24 \\ 0.16 \\ 0.10 \\ 0.06 \end{pmatrix}$$

Now we check for the consistency of the criteria matrix. As we don't want to check again and again by assigning the ranking to the matrix we would now check consistency which is a feasible solution. For this we would find the consistency ratio. If the consistency ratio < 0.1 then the ranking are consistent and practically feasible. If the consistency ratio > 0.1 then the comparison should be recalculated.

Checking for Consistency

The procedure in checking for consistency is:

- 1) Determine the weight sum vector, W_s

$$\{W_s\} = [C]\{W\}$$

$$\begin{pmatrix} 1 & 3 & 3 & 5 & 5 \\ 0.33 & 1 & 3 & 3 & 3 \\ 0.33 & 0.33 & 1 & 3 & 3 \\ 0.2 & 0.33 & 0.33 & 1 & 3 \\ 0.2 & 0.33 & 0.33 & 0.33 & 1 \end{pmatrix} * \begin{pmatrix} 0.44 \\ 0.24 \\ 0.16 \\ 0.10 \\ 0.06 \end{pmatrix}$$

$$\{W_s\} = \begin{pmatrix} 2.44 \\ 1.3452 \\ 0.8644 \\ 0.5 \\ 0.313 \end{pmatrix}$$

- 2) Find the consistency vector = $\{W_s\} \cdot \{1/W\}$

$$\begin{aligned} \{\text{Consistency Vector}\} &= \\ & \begin{array}{c} \left| \begin{array}{c} 2.44 \\ 1.345 \\ 0.864 \\ 0.5 \\ 0.313 \end{array} \right| \end{array} * \begin{array}{c} (1/0.44) \\ (1/0.24) \\ (1/0.16) \\ (1/0.1) \\ (1/0.06) \end{array} \\ = & \begin{array}{c} \left| \begin{array}{c} 5.55 \\ 5.60 \\ 5.4 \\ 5 \\ 5.22 \end{array} \right| \end{array} \end{aligned}$$

3) Determine the average of the elements of {Consistency Vector}, Call this λ

$$\text{Average (x)} = 5.354$$

4) Determine the Consistency Index, CI

$$\begin{aligned} \text{CI} &= (x-m) / m-1 \\ &= (5.354-5) / 4 \\ \text{CI} &= 0.088 \end{aligned}$$

Now Consistency Ratio,

$$\text{CR} = \frac{\text{CI}}{\text{RI}}$$

Here, for n=11, average Random Index, RI = 1.51

$$\begin{aligned} \text{CR} &= 0.0885 / 1.12 \\ &= 0.07901 \end{aligned}$$

As the value of CR is less than 0.1, which is in the acceptable range.

RESULT OF AHP MODELING:

Now as we have calculated the priorities and their weights we can assign the ranking to the factors involved. The global priority helps to rank all the factors according to the most effective and least effective with respect to distribution channel implementations and productivity improvements. In this study we have taken 5 factors which can affect the distribution strategy. Now with the help of global priority ranking of these factors they will be arranged in order of their priority. It is shown in the table below:

CRITERIA	CRITERIA WEIGHT (W)	RANK
CUSTOMER SERVICE	0.44	1
MARKETING CAPABILITY	0.24	2
SUPPLIERS INTEGRATION	0.16	3
CUSTOMER SATISFACTION	0.10	4
CHANNEL CONFLICTS	0.06	5

Table: Ranking of Factors

Conclusions:

1. Among the factors of distribution strategy considered for the study, it emerges from the developed AHP model that the Customer Service is primarily important for distribution strategy of mobile devices in India. This can be due to reason that in customer service various factors play an important role like expertise, dependability, empathy, timeliness, ownership, keeping promises etc.
2. Second most important factor in the distribution strategy is the **Marketing Capability** with criteria weight of 0.24. The major sub factors which influence the marketing capability are the marketing research, pricing, product development, channel management, promotion and customer acquisition etc.
3. Third critical factor for the distribution of mobile devices is Suppliers Integration. This factor is related to the mobile devices as an important aspect because how the suppliers are connected to each other and whether the handsets if not available with one distributor can be made available from other distributor. The suppliers should be connected with each other effectively.
4. Customer Satisfaction is the fourth factor according to the ranking with 0.10 as its critical weight. The sub factors included in the Customer Satisfaction are Quality, Separation anxiety, accessibility, face value, nice atmosphere, waiting game, responsibility, retaining old customers, technology advancement etc.
5. Interestingly, Channel conflicts stood at the last rank of the hierarchy. This may be due the fact that conflict in the channel is a common phenomenon. In a diverse mixed level structure, the conflict among the members is inevitable.

References

Alexander, J. M., & Saaty, T. L. (1977). The forward and backward processes of conflict analysis. *Behavioral Science*, 22(2), 87-98.

Borouhaki, S., & Malczewski, J. (2008). Implementing an extension of the analytical hierarchy process using ordered weighted averaging operators with fuzzy quantifiers in ArcGIS. *Computers & Geosciences*, 34(4), 399-410.

Day, G.S. (1994), "The Capabilities of the Market – Driven Organization", *Journal of Marketing* 58, 37-51.

Dutta, S., Bergen, M., Heide, J.B. and John, G. (1995), "Understanding dual distribution: the case of reps and house accounts", *Journal of Law, Economics, and Organisation*, Vol. 11 No. 1, pp. 189-205.

Easingwood, C. and Storey, C. (1996), "The value of multi- channel distribution systems in the financial services sector", *The Service Industries Journal*, Vol. 16 No. 2, pp. 223-41.

Easingwood, C. and Coelho, F. (2003), "Single versus multiple channel strategies: typologies and drivers", *The Service Industries Journal*, Vol. 23 No. 2, pp. 31-46.

Frazier, G.L. (1999), "Organizing and managing channels of distribution", *Journal of the Academy of Marketing Science*, Vol. 27 No. 2, pp. 226-40.

Ganesh, J., 2004. Managing customer preferences in a multi-channel environment using web services. *International Journal of Retail and Distribution Management* 32, 140–146.

Grant, R. M. (1991), "The Resource-Based Theory of Competitive Advantage: Implications for Strategy Formulation", *California Management Review* 33, no.3, 114-135.

Heide, Jan B. and George John (1988), "The Role of Dependence Balancing in Safeguarding Transaction-Specific Assets in Conventional Channels," *Journal of Marketing*, 52 (January), 20-35.

Kotler P. *Marketing Management*[M]. London: Prentice Hall Inc, 2000:167-198.

Lee, A. H., Chen, W. C., & Chang, C. J. (2008). A fuzzy AHP and BSC approach for evaluating performance of IT department in the manufacturing industry in Taiwan. *Expert systems with applications*, 34(1), 96-107.

Lilien, G.L. and P. Kotler, 1983. *Marketing decision-making*. New York: Harper & Row

Manning, M., Homel, R., & Smith, C. (2011). An economic method for formulating better policies for positive child development. *Australian Review of Public Affairs*, 10(1), 61-77.

Moriarty, Rowland T. and Ursula Moran (1990), "Managing Hybrid Marketing Systems," *Harvard Business Review*, 68 (November–December), 146–57.

Nobre, F. F., Trotta, L. T. F., & Gomes, L. F. A. M. (1999). Multi-criteria decision making—an approach to setting priorities in health care. *Statistics in medicine*, 18(23), 3345-3354.

Porter M.E. Strategy and the Internet[J]. Harvard Business Review, 2001, Vol.79, No.3:63-78.

Rajan, R., & Zingales, L. (2003). *Saving capitalism from the capitalists* (Vol. 2121). New York: Crown Business.

Saaty, T.L., (1980). "The Analytic Hierarchy Process." McGraw-Hill, New York.

Saaty, T. L. (1990). Multicriteria decision making: The Analytical Hierarchy Process. Pittsburgh, USA: RWS Publications.

Saaty, T. L. (1994). How to make a decision: the analytic hierarchy process.*Interfaces*, 24(6), 19-43.

Sathye, M. (1999), "Adoption of Internet banking by Australian consumers: an empirical investigation", *The International Journal of Bank Marketing*, Vol. 17 No. 7, pp. 324-34.

Stem, Louis W. and Torger Reve (1980), "Distribution Channels as Political Economies: A Framework for Comparative Analysis," *Journal of Marketing*, 44 (Summer), 52-64.

Thornton, J. and White, L. (2001), "Customer orientations and usage of financial distribution channels", *Journal of Services Marketing*, Vol. 15 No. 3, pp. 168-85.

Triantaphyllou, E., & Mann, S. H. (1995). Using the analytic hierarchy process for decision making in engineering applications: some challenges.*International Journal of Industrial Engineering: Applications and Practice*,2(1), 35-44.

Vorhies, D.W. and M. Harker (2000), "The Capabilities and Performance Advantages of Market-Driven Firms: an Empirical Investigation", *Australian Journal of Management* 25(September), no.2.

Wright, A. (2002), "Technology as an enabler of the global branding of retail financial services", *Journal of International Marketing*, Vol. 10 No. 2, pp. 83-98.

Xiujun Zhu, Ze Qi. Conflicts and Cooperation of Marketing Channel in Game Theory [J]. *Business Economics and administration*, 2002, (4): 14-17.

Yang, Y. Y., & Yi, M. H. (2008). Does financial development cause economic growth? Implication for policy in Korea. *Journal of Policy Modeling*, 30(5), 827-840.

Zeithaml, V.A. and M.J. Bitner (1996), *Services Marketing*, Sydney: McGraw-Hill