Adoption of CRM technology in multichannel environment: a review (2006-2010)

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Abstract

Purpose – The purpose of this paper is to review state-of-art literature on adoption of CRM technology, including the CRM in multichannel environment and provide a comprehensive view of insights gained in this area of research through the bibliography.

Design/methodology/approach – All together, nine databases were searched on the basis of four main descriptors which provided identification of 812 articles. A close review of the abstracts of these articles led to selection of 123 articles which were found relevant. Each of these articles was further reviewed and classified based on the main channel of CRM implementation. The articles were further classified in sub-categories under each main channel theme.

Findings – The selected articles were categorized under four main themes based on the channel – CRM, multichannel CRM, eCRM, mCRM. The articles in the CRM category were mainly focused on the strategic alignment along with research on increasing customer loyalty and use of data mining in CRM. Under the multichannel CRM theme the articles were further classified under eight categories – CRM (articles focusing on overall CRM implementation on multiple channels and related issues), eCRM (articles related to CRM implementation on online channel and its impact in multichannel environment), IT, Marketing, Sales, Service, Strategy, and Mixed (articles addressing two issues simultaneously: Marketing and IT).

Originality/value – The bibliography provides a comprehensive academic literature published between 2006 and 2010 covering all the channels of CRM implementation – traditional, electronic and mobile – along with studies specifically focused on issues dealing with multichannel environment.

Keywords Customer relationship management, Information technology, Multichannel, Traditional CRM, eCRM, Mobile CRM, Multiple channels

Paper type Literature review

1. Introduction

Customer relationship management (CRM) has been one of the greatest technological contributions to enterprises in the twenty-first century (Chao et al., 2007). This technology surged into the market rapidly. Though CRM technologies have matured in the last decade, their implementation failure rates are high, ranging from 55 to 75 percent. Approximately 70 percent of CRM projects result in either losses or no bottom-line improvement in company performance, raising the issue of factors affecting their successful usage (Dimitriadis and Stevens, 2008). The main reason for the lack of success of CRM systems is stated to be the lack of adequacy of existing methodologies in approaching the CRM project implementation. It is so because the methodologies do not satisfactorily integrate and complement the strategic and technological aspects of CRM (Chalmeta, 2006).

Further in past few years, the extension of services on multiple channels has become one of the integral needs of CRM and efficient utilization of customer preferred channels is earnestly desired to avoid cannibalization effect of the multichannel environment.
During the past decade research in CRM has attracted attention from both academia as well as industry. From technology driven view of CRM to strategic CRM, there seems to be a lot of evolution in this area. Though a number of researchers have attempted the review of literature in CRM from different perspectives and for different time periods (Romano and Fjermestad, 2001; Boon et al., 2002; Ngai et al., 2009) yet none of these researchers have focused on the evolved multichannel scenario of CRM specifically. Thus, looking at the present day environment for CRM a review of literature is attempted to highlight the issues regarding implementation of CRM on multiple channels. This is accomplished through a literature study of more than 123 peer-reviewed journal and conference publications published between 2006 and 2010. The papers published in various disciplines and journals were chosen for analysis and thus the selection was not just limited to papers published “only” on CRM as a technology solution. The purpose is to assist scholars with an insight not just into one notion of CRM field but also into complementary forms and channels for CRM in multichannel environment.

The review is expected to provide insights into the latest research done in CRM domain and explain degree of understanding achieved in different relevant areas. The purpose of this paper is threefold. The first aim is to develop a methodological framework for conducting an extensive literature study on a global phenomenon based on a good number of papers published spanning across different disciplines. The second purpose is to use this framework to gain an understanding of the current state of the CRM field across established disciplines. The third objective is, based on the literature review identifying areas of concern pertaining to multiplicity of the channels. Furthermore, the review is also done to understand the issues from organization as well as customers’ perspective as in the successful implementation of CRM, both the organization itself as well as its customers play a crucial role.

The paper is organized as follows. In the following section we present existing literature reviews on CRM to position our own literature study, clarifying those questions which we would like to address. In Section 3 the research methodology for carrying out the literature review is presented. In Section 4 the findings of the review are discussed and finally suggestions for further research directions are outlined in Section 5. In the last section the conclusion and limitations are presented.

2. Previous literature reviews in CRM
This section is dedicated to extant literature reviews done in the field of CRM till 2010. The purpose of this section is to position our literature review with regard to existing knowledge about the CRM field, and to formulate specific research questions to be asked and issues to be discussed on the basis of our findings. After an individual presentation of the seven CRM literature review publications that we have been able to find, we will
discuss the methods used and the limitations of the publications with regard to the ability of the papers to give an overview of the CRM field from chosen perspective (Table I).

The first review on CRM which we were able to find was published in 2002 (Boon et al., 2002). The purpose of this review of literature was to provide insight for conceptualization of requirement of CRM from organizational perspective. Taking the base of requirement engineering, the authors outlined three requirement streams of CRM for an organization – front end systems (linked to sales and marketing processes), data-handling technologies (linked to data warehousing and data mining techniques) and back end systems (linked to enterprise resource planning (ERP), supply chain management (SCM) and other enterprise wide applications). Referring CRM as a maze of cross discipline perspectives the authors concluded that an efficient and effective integration of backend, front-end and data-handling technologies is required along with enhancement of organizational capabilities to gain the strategic and economic benefits.

Another literature review was presented in 36th Hawaii International Conference on System Sciences (HICSS) by Ocker and Mudambi (2003). This review was primarily focused on assessment of organizational readiness for CRM and suggested three types of alignment (intellectual, social and technological). It was anticipated in the study that, at a minimum, an organization can benchmark its capacity for CRM against the proposed states of the alignment model. The model had nine readiness sub-categories namely strategy, structure and planning under intellectual dimension, culture stakeholder interactions, domain knowledge under social dimension and CRM application, IT capability, knowledge management under technology dimension.

Both of the above studies presented a completely theoretical and a very general appraisal of few selected studies of past to address the issues concerning to CRM implementation at that time. A methodological approach for conducting the literature review was not adopted. Moreover, the authors did not present any method for the selection of the publications included in the review which raises the question whether the studies actually provided the review of the literature in general or just an overview of the publications and disciplines randomly selected by the authors themselves. Along with this it seems that the publications were undertaken as an intermediary step in ongoing research on indicated topics instead of literature review being the main objective of the study.

The first systematic literature review found in CRM was done by Ngai (2005). This study presented a comprehensive review of CRM research conducted between 1992 and 2002. A total of 205 publications were included from 89 reputed academic journals. Each article was carefully reviewed, separately classified in five categories.

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<td>2010</td>
<td>Verhoef et al.</td>
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Table I. Earlier literature reviews
The study indicated that most of the publications at that time were in IT and IS domain (around 37.1 percent) while sales category had the fewest published articles (6.3 percent). It was also noted that there were relatively fewer articles discussing customer privacy and most of the studies detailed CRM under general concept, planning and strategy. The authors concluded with the remark for researchers to study more specific CRM functions like marketing, sales, service and support.

Before the above stated study, Romano and Fjermestad (2001) presented a review on electronic commerce customer relationship management (ECCRM). They conducted an exhaustive literature review of 369 articles publishes between 1984 and 2002. The goal of their study was to assess the status and maturity of the ECCRM as an emerging subfield of management information systems (MIS). There were 135 articles in 28 IS journals, 234 articles in eight major conferences indicating a sign of relative immaturity. Along with this it was found that articles were published in many different conference tracks, mini-tracks and themes implying that a broad range of MIS research community felt the research area important and worthy of publication. Though the study presented quite a robust methodology and an exhaustive review, it was centered on a specific single channel for CRM.

Paulissen et al. (2007) investigated CRM literature for a period of five years from 2000 to 2005. The authors systematically reviewed the IS as well as the marketing literature. They reviewed selected publications in structured way in contrast to the previous two studies and the categorization was done according to the different phases in the CRM lifecycle: adoption, acquisition, implementation, use and maintenance, evolution and retirement. The review presented revealed that less attention was given to implementation issues and to the evolution and retirement phases. Furthermore, a difference in attention was found between the IS and marketing literature: while researchers of the latter focused mainly on the adoption and use phases, IS researchers’ attention was more evenly distributed over the lifecycle.

Another latest review by Ngai et al. (2009) presents classification of literature according to application of data mining techniques in CRM. It provides an academic database of literature between the periods of 2000 and 2006 covering 24 journals. Overall 900 articles were identified and reviewed for their direct relevance to applying data mining techniques to CRM out of which 87 articles were subsequently selected, reviewed and classified. Each of the 87 selected papers was categorized on four CRM dimensions (identification, attraction, retention and development) and seven data mining functions (association, classification, clustering, forecasting, regression, sequence discovery and visualization). Papers were further classified into nine sub-categories of CRM elements under different data mining techniques based on the major focus of each paper. Of these, most were related to one-to-one marketing and loyalty programs, respectively. On the other hand, classification and association models were the two commonly used models for data mining in CRM. With respect to the research findings, the authors suggested more research in the customer development domain. The review also emphasized that in order to maximize an organization’s profits through CRM, policy makers need to both retain valuable customers and increase the lifetime value of the customer.

The latest review found in CRM is published by Verhoef et al. (2010) in retailing context. This is the first review which has focused on multichannel
environment of CRM. Contrary to previous reviews this study elaborated on current knowledge from the academic marketing literature. The publications were discussed under a conceptual model of six components – data, data utilization, marketing actions, customer outcomes, firm value and CRM implementation. The authors indicated that the enormous amount of customer data in retailing environments and the integration of channels, which now allow observation of online search behavior, would create new research challenges. The study concluded with direct research questions for future investigations like how do customers react to the increasing availability and use of customer data in retailing? What is the contribution of customer metrics in the valuation of a growing versus a mature firm? Which factors determine the successful application of CRM within firms? Verhoef et al. (2010) did not present the method for selection of the publications included in the review.

It can be noticed that none of the reviews were conducted with a key focus on multiplicity of the channels for CRM implementation except the one presented by Verhoef et al. (2010) which again had main theme centered on data utilization in retailing context. Additionally a defined time frame of 2006-2010 is not taken by any of the studies which leave the CRM field with a knowledge gap about publications published after 2005. Additionally, none of the reviews provide an overview of the total number of academic journal/conference publications regardless of and/or across research disciplines, leaving a knowledge gap about the CRM implementation on different channels and issues related to it. Our review sets out to fill this gap and aims at providing an overview of the CRM field by analyzing multichannel CRM publications from 2006 to 2010.

3. Review methodology
To be able to gain an overview of a research field and identify the research gaps, a structured review methodology is needed. The methodology is divided into two phases. First phase is the determination of review scope relevant source material search and selection of papers to include in the review, and second phase is the classification of the papers.

3.1 Phase I: selection of articles
Since CRM is an interdisciplinary topic relevant articles are published in a wide variety of domains. Furthermore, new channels of CRM are still emerging, thus most of the contemporary research is published in conference proceedings. Therefore, we included both academic journal papers from various disciplines and conference proceedings in our search. Despite a potentially lower quality of the conference proceedings, they are informative for charting the current research topics in this rapidly progressing area of research, and for identifying gaps to be covered by future research. It is also expected that the best conference papers would evolve to journal articles and thus serve as leading indicators for the focus of future journal publications. From the papers identified we also went backwards by reviewing other work of the authors as well as citations in the papers (Webster and Watson, 2002). To ensure the quality of the conference papers we focused on a few established conferences in the fields of IS, electronic commerce and mobile business that are listed in Table III.

An initial keyword search for articles containing any of the terms in phrase “customer relationship management” revealed more than 14, 10,000 articles reported
in published literature. Brief review of initial listing indicated the mention of this phrase in different domains for myriad purposes and also the articles had a research objective other than CRM itself. To increase the relevance, exact phrase “customer relationship management” was searched in the next iteration. The search revealed 51,100 articles published in last two decades. This search result also included previous literature reviews done in CRM area. To increase the focus more on latest developments and the gaps, without leaving any important piece of work, it was decided to appraise the results of former literature reviews in CRM first. We could find seven such studies (Table I) with latest review published in year 2010 (Verhoef et al., 2010). After analyzing these review studies (Romano and Fjermestad, 2001; Boon et al., 2002; Ocker and Mudambi, 2003; Ngai, 2005; Paulissen et al., 2007; Ngai et al., 2009; Verhoef et al., 2010) we could draw two conclusions:

1. Though CRM literature published from 1984 to 2006 was reviewed from a number of perspectives, yet there was a paucity of literature on the developments happened from 2006 to 2010.
2. The latest reviews conducted mainly focused on very specific areas like data mining (Ngai et al., 2009) and retailing (Verhoef et al., 2010) leaving a major development of multiple channels untouched.

Though articles (Payne and Frow, 2004, 2005; Neslin et al., 2006; Cassab and MacLachlan, 2009) mentioned the advantages, strategies and challenges related to multiple channels, any review on such topic was not found. This guided us to narrow the time span of review to five years, i.e. from 2006 to 2010 and center our attention on multiplicity of the channels for CRM.

Furthermore, keeping up with the latest technological developments in the field of CRM, three main channels for customer contact are reported in the research, i.e. traditional CRM channel (involving mailers, telephone, facsimile, telex, and call center contact), electronic CRM (web enabled call centers, e-mail, the internet, and interactive digital television) and mobile CRM (mobile telephony, short message service and text messaging, wireless application protocol, and 3G mobile services) (Payne and Frow, 2005; Neslin et al., 2006). Thus, to have a comprehensive understanding of the extant literature four main descriptors were selected:

1. customer relationship management;
2. electronic customer relationship management (eCRM);
3. mobile customer relationship management (mCRM); and
4. multichannel customer relationship management.

The literature was also searched based on abbreviations like CRM, eCRM, mCRM, multichannel CRM as there was a possibility of mention of these abbreviations in keywords list.

As it is evident that the nature of research in CRM is difficult to confine to specific disciplines, the relevant materials are scattered across various academic discipline like business and management, IS and IT, service marketing, customer strategy management, eCRM, business intelligence and knowledge discovery. Consequently, the following online journal databases were searched to provide a comprehensive bibliography of the academic literature on CRM technology published from 2006 to 2010:
After removing the duplicate entries from the obtained lists the search originally produced approximately 812 articles. This sudden reduction in the final list of research papers can be explained by the fact that, there were many papers which made a reference to CRM but did not have CRM as the primary research topic. Master’s and doctoral dissertations and unpublished working papers were excluded, as academics and practitioners alike most often use journals to acquire information and disseminate new findings designating journals as the highest level of research (Nord and Nord, 1995). Book chapters were also excluded from the search as they are not peer reviewed except two cases where the published literature is as such very scarce. The search after eliminating non-relevant papers finally yielded 123 papers. In this way the current study is, a census study as each unit of the defined population is reviewed. Therefore, the findings can be generalized to the defined population. However, the findings cannot be generalized to the larger anthology of CRM literature. Further, a surge in research publications with respect to CRM can be observed in the online databases and, therefore, the findings will not hold valid in the times to come.

3.2 Phase II: inter-rater reliability and classification

In the second phase of the review papers were classified into the four categories i.e.:

1. CRM;
2. electronic CRM (eCRM);
3. mobile CRM (mCRM); and
4. multichannel CRM (Figure 1).

according to the prominence of the theme established in the paper and communication channel used for CRM.

These categories were taken based on the description given by leading authors in CRM (Sinisalo et al., 2006; Kumar et al., 2009; Schierholz et al., 2007; Verhoef et al., 2010b). While any classification system can be challenged for levels of comprehensiveness, it was felt that the breadth of perspectives covered by the four categories was adequate to develop a sound understanding of CRM. The framework, therefore, provides a method to check for logical links and connections to verify consistency (or the lack thereof) amongst the various research activities within CRM.

The authors initially scanned the keyword list and abstracts of allotted articles and classified them under four categories. Further to ensure robustness, the classification
was reviewed by a group of four members including a research scholar, two professors and an industry expert having rich practical experience in the area. To ensure high inter-rater reliability the results were compared and discussed till a consensus was achieved. After the classification process, the whole group discussed articles which individual reviewers were uncertain of, until agreement was reached.

4. Findings from literature review
As the previous section explained, the literature search following the established criteria ended up in a classification of 123 publications. A year wise analysis showed that maximum numbers of articles were published in year 2007. After 2007 though a decline is seen in number of publications, there was not much difference in numbers (Figure 2). Figure 3 shows the number of papers that address topics in four main categories of themes – CRM as an overall category, eCRM category covering articles related to online channel, mCRM category encompassing CRM related issues through mobile channel and papers specifically addressing multichannel issues. As a reminder, 31 reviewed papers addressed various issues particularly related to multichannel environment in detail. These issues had eight subject areas namely CRM, eCRM, IT, marketing sales, service, strategy and mixed (Figure 4).

The articles in were also analyzed to find out which journal and conferences had publications related to more than one category of classification. It was observed that 16 journals (Figure 5) and three leading conferences (Figure 6) – HICSS,
Bled eConference, Pacific Asia Conference on Information Systems (PACIS) published articles on more than one categories mentioned in Figure 3 (i.e. CRM, eCRM, mCRM and multichannel CRM).

The classification in Figure 3 indicates that CRM has the maximum number of studies with 41 publications, followed by 31 papers focusing on multichannel environment with a close reach of mCRM having 30 papers and 21 studies in eCRM. The studies in CRM category encompassed different areas and channels but the main focus was on CRM as a whole set of activities. The papers in rest of the three categories, i.e. multichannel, eCRM, mCRM had corresponding category as the main theme of study and dealt with the issues pertaining to that particular category.

Some articles presented interaction of many areas simultaneously, which may be important to discover how the one area influences the other and thus such papers were classified in CRM category. A close look at the numbers reveals that in last four years the research interest has shown almost equally in all the three different channels of CRM – traditional, electronic and mobile and researchers have also taken the multiplicity of the channels for their studies.

In addition to the classification of articles based on their main focus area, this literature review also revealed how many papers have been published in journals, as opposed to conference proceedings. The summary is shown in Figure 3. Of all the papers reviewed, 31 were published in conference proceedings and 92 in journals. Maximum journal publications were in CRM in general. The central theme of these
publications was mostly driven towards management planning and strategy along with utilization of IT tools for making better customer segmentation and marketing strategies. Few other publications in same area were focused on performance, process and service quality measurement.

Further analysis revealed that 64 publications were based on empirical research methods; while 55 were conceptual and rest four were reviews (Figure 7). CRM and multichannel themes had equal number of empirical and conceptual studies. It can be seen that most of the empirical studies were done in CRM and eCRM categories, which shows a little more maturity of the subfield. The papers on eCRM theme were mostly empirical verifications of proposed constructions (17 in no) with only four conceptual studies. On the other hand the papers in mCRM theme had nearly equal number of conceptual (17) and empirical studies (13).
The analysis of all the publications further revealed five main perspectives of research:

1. organizational;
2. customer’s view;
3. conceptual framework;
4. future research directions; and
5. market view.

Among all the publications the organizational perspective dominated (51 percent) followed by 24 percent studies based on the customer perspective (Figure 8). A good number of studies (20 percent) elaborated frameworks with different objectives to be achieved. Four studies (3 percent) presented the market view presenting the various opportunities in the market along with two studies presented the directions for future research.

A detailed analysis of papers in multichannel theme showed the distribution of articles according to objectives from various subject areas (Figure 4). The majority of articles were related to marketing objectives (11 publications) while sales and services saw the fewest published articles (three in each). IT and strategy related issues were addressed equally (five in each subject area). While two publications addressed both marketing and IT related issues together, one more paper emphasized over the use of CRM systems in multichannel environment and other empirically tested the impact of multichannel integration on customer trust (Figure 9).

Table II presents the number of articles by journal and year. The total number of journal publications was found to be 92 in 61 different journals. The publications

Table III presents the publication figures by year and conference. The analysis reveals that 31 different refereed conference proceedings have published articles on CRM in last four years. HICSS, PACIS and Bled eConference were the venues with the most articles to date (Figure 11), along with a number of new conferences coming up with special focus on various channels of CRM implementation.

The next observation that can be made from Table II CRM research field is an interdisciplinary field as suggested by Ngai et al. (2009). Articles are published not only in single functional discipline but also an interaction of IT (as enabler) and other functional disciplines can be seen in the research objectives. Articles published in non IS journal accounted for 41 percent of total publications.

Further following the previous literature reviews (Romano and Fjermestad, 2001; Ngai et al., 2009), it seemed worthwhile to examine the frequency of research
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Table II. Distribution of articles in journal and year
methodologies within each type. The various methods used for empirical studies as listed below (Figure 12, Table IV):

- interviews;
- focus groups;
- open-ended web surveys;
- quantitative surveys;
- experiment/simulation; and
- design research.

5. Discussion
The review of extant literature points out that a gamut of issues (Chen and Wang, 2006; Burr et al., 2007; Leem and Hwang, 2008; Bala, 2009; Yong, 2010) has been addressed regarding the implementation of CRM in organizations. Under CRM category a common trend observed was the strategic alignment of all the inter-organizational functions towards an overall customer centric strategy. Similarly the studies under multichannel category (Neslin et al., 2006; Peterson et al., 2010) and eCRM (Wu and Hung, 2009) also laid emphasis on the leveraging the benefits from availability of multiple channels by designing an overall CRM strategy and aligning channel specific strategies to overall strategic aim.

Moreover, out of many organizational functions, studies were published more on marketing (Bohling et al., 2006; Chen et al., 2007), succeeded by adoption of CRM technology (Richard et al., 2007). A large number of studies also focused on application of data mining techniques on customer data gathered through different channels (Sharma et al., 2008; Liou, 2009) and how information generated through data mining can be utilized for better customer segmentation (Chang et al., 2009) and understanding of customer behavior (Ranjan and Bhatnagar, 2009).

Under the category of eCRM it was found that authors have identified various issues such as managerial discretion (Coltman and Dolnicar, 2007), change management and user resistance management (Lin et al., 2007) leading to an overall
successful or failed implementation (Paul et al., 2008; Kimiloglu and Zarali, 2009) yet focus on the issues generated due to dis-synergy between the electronic and traditional channel is lacking. On the customer’s end factors impacting the customer satisfaction from electronic channel (Chen et al., 2007; Wang and Head, 2007; Shun et al., 2008) have been studied in online purchasing and banking contexts (Laukkanen, 2007).

Further majority of the studies under mobile CRM category were mainly found to be centered on the basic frameworks of implementation and possibilities present in the market for mobile channel. Studies were based on single company cases (Liljander et al., 2007; Bodendorf and Schobert, 2007; Chen and Ching, 2007) as well as article on formulation of mobile CRM strategy was also published (Schierholz et al., 2007). Leaving the challenges regarding the initial implementation initiatives (Sinisalo and Karjaluoto, 2007; Sinisalo et al., 2007) and objectives (Hartel et al., 2006) other issues related to technological implementation of CRM on mobile channel were not discussed in other study. On the customer side also the studies related to the issues impacting the

![Distribution of articles in major journals](image-url)
customer decision to prefer mobile channel over other CRM channels were also found to be scarce (Liljander et al., 2007).

6. Future research directions

As the CRM technology has gradually progressed to suit different channels, organizations have also implemented their solution on different channels in a phased way. Also various CRM vendors have followed different technological standards for developing their CRM solutions. It was found from the literature that though multiple systems need to communicate to each other through a proper integration (Torkzadeh et al., 2006; Batenburg and Versendaal, 2007) there was a lack of study on actual technological implementation issues arising due to the presence of multiple channels and their integration requirements.

Another gap found concerning the CRM technology adoption was that though a number of studies talked about the integration of IT implementations with the marketing strategy (Bohling et al., 2006; Osarenkhoe, 2006; Piercy, 2009) and
formulation of an overall CRM strategy (Meng et al., 2008) the detailed studies discussing issues related to inter-functional alignment challenges are lacking. Further in the presence of many channels the asymmetry created by the various forms of information available on different channels also poses integration needs. Such needs may be generated due to the different information available regarding the product or the service being provided (Dimitriadis and Stevens, 2008) or separate views of the customer information on various channels (Pleé, 2006). There was a paucity of literature on how to
resolve the impact created by this asymmetry on customer’s expectations in the presence of multichannel environment of CRM 2.0.

Along with this the evolution of CRM 2.0 is indicating the dominance of social customer. The future research studies may also take up the opportunity to explore deeper customer insight into the how the customers utilize the unstructured information available on multiple social channels to take a decision. The need to tap the customer knowledge about the products and services that he/she is using has been magnified exponentially due to the willingness of the customer to converse openly through social media.

Along with this there are few more questions which need to be addressed for example:

- How can the process of channel integration be reviewed during the post-implementation phase.
- How can various channels of CRM be integrated with ERP and SCM systems so that better cooperation and collaboration can be fostered across the entire value chain.

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• Are there any better practices for channel integration and whether these practices are applicable for all the sectors or specific set of practices should be developed for various sectors.

7. Conclusion and limitations
In this study we attempted to conduct an extensive literature review on CRM in multichannel environment based on articles published in a wide variety of journals between 2006 and 2010. To be able to conduct such a review we developed a classification framework, consisting of four categories – general CRM (comprising of all the issues of CRM), eCRM (issues specifically related to online channel), mCRM (issues related to mobile channel) and multichannel CRM (issues related to implementation of CRM on multiple channels simultaneously). Using this framework for conducting the comprehensive literature review provided us with an overview of the CRM research field regardless of research disciplines, research topics and research traditions. It was found that the focus on CRM has grown in marketing domain with strategic alignment at various levels being the prime concern. Another indication found was that the issues (both technical and nontechnical) arising due to the multiplicity of the channels for CRM are yet to be addressed with a support of empirical studies.

Though an effort has been made in the current study to provide an extensive overview of the literature published on multichannel CRM in the selected period, i.e. between 2006 and 2010 it might have been affected by some limitations. First, the study was conducted for a limited period of time, i.e. considering only last five years. Therefore, in cases where only a limited amount of research on a certain topic could be revealed, it could be possible that this topic had already been covered in the past. Furthermore, though a variety of journals were considered it may occur happen that certain phases had been covered to a greater extent in other journals or conferences or in trade publications.

References


Further reading


About the authors

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