Stakeholder Targeting and Engagement Platform

Upasana Chaudhari, S P Syed Ibrahim

Abstract: STEP or Stakeholder Targeting and Engagement Platform is a method to control the relationships and inter-actions between an employer and its customers and ability clients. A STEP system helps businesses stay customer-connected, streamline processes, and improve profitability. A STEP system’s objective is to improve business relationships. Also to look at the history of engagement that would help with the stakeholder to analyze the previous projects and give you a sense of the projects with that client. You can also track the Engagement Plan and the activities that are taking place on that particular project along with this. We can have a Segment distribution visual representation. The Stakeholder Targeting and Engagement Platform is the face of business process information technology aimed at establishing the mutually beneficial relationship with customers to drive customer retention, value and profitability. It has become the focus of the Stakeholder Targeting and Engagement Platform to use these data to design and deliver services according to the customer’s needs.

Index Terms: Profitability, Retention, Stakeholder, Targeting.

I. INTRODUCTION

Stakeholder Targeting and Engagement Platform is an up-right idea or approach to reinforce purchaser relationships at the same time as at the equal time reducing costs and enhancing enterprise productiveness and profitability. A great STEP system is a centralized collection of all information resources inside a company and provides client information with an atomistic actual-time vision. A STEP system is significant and great, however it can also be implemented for small organizations as well as large corporations as the main objective is to efficiently help customers. STEP’s number one goal is to increase consumer loyalty and improve the profitability of commercial enterprise in turn. STEP extends the idea of promoting from a shop clerk’s discrete act to an ongoing technique regarding every person inside the employer. Gathering and using your purchaser information is the art or technological know-how of building customer loyalty and growing client value. With the cutting-edge nation of information technology and excessive expectancies of customer support, considering those process problems with addressing technology is almost not possible, but it’s far crucial to remember the fact that the ultimate using pressure is customer-relationships-human relationships. STEP aims to increase and enforce enterprise techniques and help technologies that near the gaps between modern-day and capacity client acquisition, boom and retention performance of an employer. A near take a look at the definitions suggests that the commonplace elements are enterprise method, commercial enterprise manner and technology. STEP illustrates the converting position its miles playing inside the business world and the global economic system as a whole. The use of generation is moving far from its past consciousness on the goods and services and the gains in performance they provide. Instead, groups perceive generation as an aggregate of services and products that seamlessly permit new commercial enterprise processes and redefine how human beings work and have interaction with each other. We will count on to look much less in reality defined differences inside the destiny among what we recollect to be ‘products’ and ‘services’ nowadays.

II. LITERATURE SURVEY

R. Siva Subramanian et al has proposed, purchaser courting management is an usual system of constructing and retaining profitable customers with an employer aimed at enhancing customer relationships. By means of analyzing customer data within the CRM database, new approach to leading business techniques may be created. Analytical CRM facilitates examine consumer statistics and interactions using unique strategies of records mining. With the CRM hype, the principle hobby of researchers and practitioners has been received via statistics structures. Normal business intention of satisfying clients with the supplied products and services. For each commercial enterprise achievement depends on customers and each patron’s pulse needs to be acknowledged. For this organization, the understanding of styles and behavior of clients need to be regarded. CRM enables to advantage in-depth know-how of the sample of customers and their behavior, which in flip has been carried out in commercial enterprise to make them greater a success. In CRM patron facts, analytical strategies are used to discover understanding and styles. Additionally, how the privatizes of consumer facts should be addressed. Yahia Mohamed Baashar et al, Many academics and re-searchers have attracted the concept of CRM in healthcare, and research in this field have these days grown. On this paper, we offered CRM overview in healthcare agencies based totally on articles posted from 2005 to 2015 in each instructional journals and conference complaints. Carefully selected and analyzed a total of 41 articles.
Despite the fact that this observe might not be sufficiently widespread, it offers by hook or by crook an affordable information of the character of CRM and its cost in healthcare corporations. 4 important classifications of research have been observed: CRM in general (containing troubles inclusive of CRM blessings, components, fine of provider, patient pride and affected person loyalty); e-CRM (concerning on-line interaction between hospitals, patients and physicians through net technology); implementation; and adoption (both subjects argue approximately achievement elements). It turned into additionally found that in the area there’s a shortage of CRM studies. Based on our review, there is no article discussing how CRM can be carried out in phrases of the way healthcare corporations can certainly enforce the machine, instead of simply discussing it’s a hit elements. Anindita A Khade. Even though there are numerous structures that have applied customer conduct analytics, it’s far nevertheless an upcoming and unexplored marketplace that has extra capacity for better progress. huge facts is one of the maximum growing era trends that may considerably exchange the manner enterprise corporations examine and transform client conduct into valuable insights. Even selection timber can be used to investigate records correctly. A proposed Map lessen implementation of the well-known statistical classifier, C4.5 decision tree algorithm, changed into proposed on the stop of this paper. Similarly, the device goals to apply information pushed documents to put in force purchaser information visualization, which enables us to create well-customized pix. This paper defines the proposed gadget for allotted C4.5 set of rules implementation the usage of Map lessen framework in conjunction with visualization of consumer statistics. With the upward thrust in cloud computing and large statistics improvement, traditional decision tree algorithms can no longer suit and so we introduced the C4.5 selection tree algorithm’s map lessen implementation. Femina Bahari T et al, in brand new superior commercial enterprise international, CRM-statistics mining framework establishes close consumer relationships and manages relation-ships among agencies and clients. In latest years, statistics mining has gained recognition in diverse CRM applications and type model is useful within the area as a crucial information mining method. The model is used to predict customer conduct to improve choice-making processes to preserve valued customers. This paper proposes a powerful CRM-facts mining framework and type fashions, Nave Bayes and Neural Networks are studied to show that neural network’s accuracy is comparatively better. We advocate in this paper a green CRM-information mining framework for consumer conduct prediction. To predict client behavior, two class models have been used. Its miles always higher to use widespread benchmarking datasets including UCI datasets to attain real research consequences. Therefore in this paintings we used the identical. MLPNN with an accuracy charge of 88.63 percent turned into the pleasant version to achieve high predictive performance. Rana Saifullah Hassan et al, companies need to preserve a positive relationship with their customers in a tremendously aggressive market. The research take a look at might explore exceptional strategies and strategies for setting up powerful CRM to meet clients, an awesome CRM application that allows the organization to fulfill the customer. The cause of the examine turned into to test the effectiveness of consumer courting management (CRM) preserving and satisfying customers. This observe suggests that management of consumer relationships has a sizable effect on patron pride and each variables have a fantastic dating. Corporation makes their CRM as sturdy and reliable the patron can be extra glad with the company and keep it. The look at concluded that CRM performs a first-rate function in growing market proportion, improving productiveness, improving the morale of advanced personnel inside the imply while enhancing in-depth consumer know-how and also enhancing client satisfaction to decorate patron loyalty groups may even have clean facts approximately what their clients are, what their desires are and what is going to cause them to greater glad. This examine shows that management of customer relationships has a substantial impact on purchaser satisfaction and each variables have a wonderful dating. Business enterprise makes its CRM as sturdy and dependable the client can be happier and keep with the company.

III. METHODOLOGY

The project is based on four major steps, Data collection, Hypothesis Generation, Segmentation and Engagement Planning.

![Fig.1. Project Approach](image1)

A. Data Collection

Data Collection is a process whereby the researcher collects information from all relevant sources in order to find answers to the research problem, test the hypothesis and evaluate the results.

![Fig.2. Data Collection](image2)
The researcher must identify the type of data to be collected, the source of data, and the method to be used for data collection while collecting the data. Furthermore, the answers to the questions should be well addressed by the researcher who, when and where the data is to be collected. The selection of methods for data collection depends on the research problem being studied, the design of the research and the information collected about the variable. We collected data from two sources. The first source of data is Extract from Yearly database, which is nothing but the entire history of the project, i.e. the engagement history of all stakeholders with the details throughout the team. You can pull the organization data as well, but this tool is only for our team. The second source of data is the team inputs, for the data where we collected the data based on behavioral and judgment, we conducted surveys across the team with each individual. That’s how we came with the STEP tool data collection.

B. Hypothesis Generation

Hypothesis is an analyst’s possible view or assertion of the problem on which he or she works. We conducted a workshop specifically for our team for Hypothesis Generation, where we collected nearly more than eighty hypotheses. It was difficult to use all these hypotheses, so we condense these hypotheses to certain broad categories. This generation of hypotheses helped us understand the challenges facing the team as well as the key factors that prevent us from driving the engagement of world-class customers. Some broad categories in the generation of hypotheses are backgrounds that point to the customers background Sensitivity can help you understand your team’s customer awareness and the type of services you provide. Accessible/ Location stakeholders prefer people to work in their remote location in this category. Past experience can drive you through the type of projects that the stakeholder has preferred, as well as helping you understand the customer’s investment potential.

C. Segmentation

The stakeholders are classified into four segments based on the annual average engagement value and preferred services. The stakeholders that fall within the first segment i.e. Segment 1 are those who want to explore the services but are limited in the value of engagement. It could be due to lack of previous experience and lack of capacity confidence. These clients prefer all kinds of services. The stakeholders that fall within the second segment i.e. Segment 2 are those who use our support to address their capacity-driven or knowledge gaps. The commitment value of the two-stakeholder segment is medium and their type of engagement is a standard project driven by capacity. The stakeholders that fall within the third segment i.e. Segment 3 is the one that leverages us both as a thinking partner and as a SME. Third segment stakeholders are both medium and high engagement value engaged with us. They prefer to tackle gaps in standard and strategic projects.

D. Engagement Planning

In the tool, we have categorized our stakeholders broadly within four segments based on segmentation. We can classify the stakeholder into any of the four segments based on the average annual commitment value and preferred services. Our platform provides engagement planning, we have a recommendation plan for each segment that we can use to engage robustly with customers.

IV. IMPLEMENTATION DETAILS

Three main working files are provided in the tool: New Customer, Existing Customer, and Franchise View.

A. New Customer File

- It contains empty fields to fill out the new stakeholder details in this file.
- The stakeholder’s basic profile details are Franchise, Name, Designation, Country, Email ID, Manager and Project Primary Contact.
- It also includes some attributes such as the project engagement plan, the value of engagement, the most preferred project services.
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- These attributes are used to find the segment of the stakeholder to which he/she belongs, follow up the recommendation plan accordingly for further communication with the stakeholder, and improve the business.
- However, in order to get the segment of the stakeholder, first enroll the stakeholder by pressing the button Enroll Stakeholder and select Yes from the dialog box.
- Once the stakeholder is enrolled in the database then a message box will be popped up showing the message. Thank You! Database Updated.
- After being updated, we can see the segment of the customer to which he belongs. Segment can displayed in the placeholder of Potential Stakeholder Segment.
- Once after getting the segment, the detailed recommendation plan for the stakeholder can be obtained from the Existing Customer file.
- Press Add New Stakeholder Button for enrolling another stakeholder to the database for finding the segment.

B. Existing Customer File
In this file, it provides the detailed information of the Stakeholder like:
- Basic profile, Past Engagement history with the team.
- There are fields provided for the findings of the present activities going on in the project.
- It also gives information about engagement value, average value of the project, most preferred services by the stakeholder, rank of the stakeholder in the Franchise, and identified segment based on the potential and type of engagement of the stakeholder.
- Based on the identified segment we can follow up the recommendation plan provided for the customer.
- Provides a table for the recommended plan from which we can suggest the associate to follow the activities present in the plan. This will increase the interaction with the stakeholder, which helps in further increasing the business. In defining the Engagement plan for the present going on activities, it provides two options:
  - One of the option is that we can retrieve the previously updated activities related to the stakeholder by using the button Retrieve last entered engagement.
  - Second option is that we can enter the activities going on now and we can update them in the database by using the button Update.
- Once updated we can again retrieve the latest entered six activities for the stakeholder.
- In this activity table, it contains the information related to Activity, Time line of the activity, Responsible person for the activity, and the Status of the Activity.

C. Franchise View
- In this file, it provides the detailed information about each Franchise and the overall information of all the Franchises depending on the Franchise list that we select, and the segment that we want to know about. When you submit your final version, after your paper has been accepted, prepare it in two-column format, including figures and tables.
- It provides the segment distribution information about the percentage of stakeholders in the selected Franchise depending on their count and depending on the Annual Engagement value of the stakeholders.
- It provides information about the top stakeholders in the selected Franchise based on the Annual Engagement value and the top preferred services by the Franchise to the Stakeholders depending on the Annual Engagement value of the stakeholder.

V. RESULT ANALYSIS

A. Landing/Home page of the Tool
You can navigate to four different tabs which will take you to New Stakeholder where you can enroll new stakeholder, Existing Stakeholder will give you details about the existing stakeholder which consist of profile, engagement history, segment, engagement plan, Franchise view will give you visual representation of segment distribution across franchise and final tab is manual where you will get details of segmentation.
• Fill up the details of the new stakeholder.
  • This includes details of the stakeholder like Franchise, Name, Designation, Country, Email id, Manager and Primary contact for the project. Fill up some attributes like Engagement plan for the project, Engagement value, most preferred services for the project.
  • These attributes are used to find the segment of the stakeholder to which he/she belongs. Press Enroll Stakeholder button for enrolling the present stakeholder.
  • Select Yes from the dialog box popped up for updating the database.

  Fig. 7. Dialog Box

• Once the stakeholder is enrolled in the database then a message box will be popped up showing the message Thank You! Database Updated.
• Press, Add another Stakeholder for enrolling another stakeholder.

  Fig. 8. Successfully Enrolled the Stakeholder

• Segment can displayed in the placeholder of Potential Stakeholder Segment

C. Existing Customer File

• Overview of the file.

  Fig. 9. Segment of Newly Enrolled the Stakeholder

• In this file, it provides the detailed information of the Stakeholder like Basic profile, Past Engagement history with the team.

  Fig. 10. Existing Stakeholder Overview

• It also gives information about engagement value, average value of the project, most preferred services by the stakeholder, rank of the stakeholder in the Franchise, and identified segment based on the potential and type of engagement of the stakeholder.

  Fig. 11. Existing Stakeholder Profile

• Provides a table for the recommended plan from which we can suggest the associate to follow the activities present in the plan. This will increase the interaction with the stakeholder, which helps in further increasing the business.
Stakeholder Targeting and Engagement Platform

<table>
<thead>
<tr>
<th>Recommendation Plan</th>
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<tbody>
<tr>
<td>1 Plan 1</td>
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<td>2 Plan 2</td>
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<td>3 Plan 3</td>
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<td>4 Plan 4</td>
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**Fig. 12. Recommendation Plan**

- Engagement history of the stakeholder.
- In defining the Engagement plan for the present going on activities, it provides two options. One of the option is that we can retrieve the previously updated activities related to the stakeholder by using the button Retrieve last entered engagement.
- Second option is that we can enter the activities going on now and we can update them in the database by using the button Update.

**Fig. 13. Engagement History**

- Once updated we can again retrieve the latest entered six activities for the stakeholder.

**Fig. 14. Engagement Plan**

D. Franchise View

- In this file, it provides the detailed information about each Franchise and the overall information of all the Franchises depending on the Franchise list that we select, and the segment that we want to know about.

**Fig. 15. Franchise View**

- It provides the segment distribution information about the percentage of stakeholders in the selected Franchise depending on their count and depending on the Annual Engagement value of the stakeholders.

VI. CONCLUSION

A. Conclusion

Stakeholder Targeting and Engagement Platform is an organized approach to developing, managing and maintaining a profitable stakeholder relationship. This helps to increase customer loyalty and improve the profitability of business in turn. This is used to find the segment the stakeholder falls into and suggests a segment-based plan to improve the stakeholder relationship and make profits. It is also useful to provide in each Franchise the detailed view of the Business and the stakeholder commitment value in each Franchise. From this we can understand where we stand overall and take the necessary steps to improve the business.

B. Future Scope

We tend to extend the system towards Customer maps that will create organization wide maps for current and potential I&A customers, identify connections and influences among customers. Also Engagement planning is a module to create and maintain engagement plans for different customers, track progress and outcomes. Along with the above factors Customer experience is a single window capture all customer feedbacks, issues, experience survey outcomes.

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AUTHORS PROFILE

Chaudhari Upasana, I have completed my BTech from Pune University, Maharashtra. Currently Final Year student of MTech in Computer Science and Engineering with Specialization in Big Analytics from Vellore Institute of Technology, Chennai, Tamil Nadu. Along with that I am working as an Intern in a reputed firm in Hyderabad.

Dr S P Syed Ibrahim, He has completed his Bachelors in Engineering under Bharathidasan University, Masters and PhD in Engineering under Anna University. He has been a part of VIT as Professor for the past 6 years. He is a recipient of Best Faculty Award from VIT for the year 2016 and EMC academic alliance award for the year 2013. He has published more than 60 research papers in journals and conferences. He organized four short term courses on analytics for students from universities abroad and also organized DST sponsored national workshop on data science research.