ABSTRACT

- Data mining and social media is an innovative platform for the aerospace industry to focus, promote and market the industry in the upcoming economy. Data mining techniques allow the industry to build a comprehensive system that helps management decisions in a formal system. On the other hand, Social Media is used as a tool to ensure maximum return by entering a hybrid media landscape.

OBJECTIVES

- The objective of Data Mining is to use various software to analyze the performance of the industry and to focus
  - Market segmentation
  - Customer churn
  - Direct Marketing
  - Interactive marketing
  - Market basket analysis
  - Trend Analysis
- The objective of Social Media is to increase brand awareness, track competitors, build relationships with customers, and collect customer feedback.

METHODS

- **Data mining** automates the process of finding predictive information in a large database. Through the data mining process (below fig) the industry can extract its data
- **Social media** helps to conquer the expected target market by using various social networking sites, by bookmarking, tweeting and media sharing. This can be obtained by using various platforms like Facebook, StumbleUpon, LinkedIn, Twitter, YouTube, Flickr, Instagram, Digg, Reddit, etc.

PRELIMINARY DATA

- **Data Mining**: The above software mentioned gives the preliminary data for customer value measurement, customer measurement, customer growth, customer acquisition.
  - The cluster analysis highlights marketing opportunities such as cross-selling and up-selling. (Fig:1 – Result)
- **Social Media**: Social networking gives a plethora of opportunities for the industry by generating a buzz through marketing campaigns. Enterprises see the number of people associated with the brand as a show of strength. This trend can be seen in Facebook/Twitter where the concept of “LIKE” and “FOLLOW” are used as a yardstick.
  - Studies have proven that satisfied customers are more likely to give positive online feedback and talk about it than people with a bad experience. (Fig:2- Result)

RESULTS

<table>
<thead>
<tr>
<th>Cluster ID</th>
<th>Mileage %</th>
<th>Customers %</th>
<th>Avg. Services per Customer</th>
<th>Service Index</th>
<th>Membership (Sum Membership/Number of Customers)</th>
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</table>

Average Number of Services used overall = Sum of Activities used over Lifetime / Number of Customers = 1.53

PRELIMINARITY DATA: CRICKET STRATEGIES - LEHIGHN SERVANT UNIVERSITY

CONCLUSIONS

- In today’s competitive world, data mining and social media are used as a complementary channel that has changed the way we look at marketing.
- Marketing is not just about selling but also about creating an environment to sell while building and maintaining long term relationships.

ACKNOWLEDGMENTS


REFERENCE