

Consumer Online Shopping Interest and Production Data Management

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Abstract:

Now a days the existence sort of the people is unique. People experience uncomfortable and time ingesting for going crowded markets. So, E-buying may be a boon because it saves lot of a while. On line purchasing may be a process whereby customers without delay purchase items, offerings and many others. From a supplier without a middleman carrier over the web. Buyers can visit internet stores from the consolation of their house and shop as with the aid of sitting beforehand of the computer. On-line stores are generally available 24 hours each day and plenty of clients have internet access each at paintings and reception. So it is very convenient for them to shop for on line. One a number of the primary attractive elements about on-line shopping, especially at some stage in season is, it alleviates the necessity to attend in lengthy strains or seek from a shop for a particular object. Type of items are to be had in on line. Therefore the researcher need to recognize the desire of the consumers. So fifty respondents were met and data had been accumulated concerning their choice in the direction of purchasing online.

The studies defined at some point of this paper investigates the troubles and problems confronted with the aid of agencies imposing product data management systems. The purpose is to supply guidelines to help managers put in force product data management to comprehend most aggressive advantage. a pilot look at, which illustrates the key factors necessary for the a success implementation of a product data management gadget, changed into administered and this become observed with an thorough survey at some point of a number engineering corporations in differing commercial sectors the thorough survey results show that the barriers confronted through groups in imposing product data management relate usually to employees troubles, as an example loss of control assist, person popularity and implementation issues. An incorporated framework has been evolved within the sort of an IDEFO operational structure to fulfill the principle want identified from the thorough survey. The IDEFO operational shape illustrates the key tactics required to assist control and increase their commitment and support for the product data management implementation mission.

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1. Introduction

Online shopping is turning into increasingly more famous for type of motives. There are definitely out of doors factors like increasing gas fees, problem in going to traditional stores and hassles often related

to purchasing department stores and different conventional stores to make contributions to the elevated hobby in on-line shopping. Purchasers can get full data approximately the products with its evaluations being long past by means of the

triumphing customers. If one wishes to buy a product he/she isn't always any more confined to asking the friends and households due to the fact there are many merchandise critiques on the online which affords evaluations of the prevailing customers of the products. Online buying websites include large sort of merchandise each pinnacle first-rate and slight quality maintaining in thoughts the quantity of people.

1. There are not any country wide and international boundaries.
2. In on line shopping the consumers are going to be at some stage in a worrying function and providers may not be at some point of a commanding role.
3. There's massive Employment possibilities in on-line shopping. On-line shopping is turning into increasingly more famous for kind of motives. There are really out of doors factors like increasing gas expenses, problem in going to standard stores and hassles frequently related to buying department stores and other traditional shops to make a contribution to the multiplied hobby in on-line purchasing.

Customers can get complete information approximately the merchandise with its opinions being long past through the winning users. If one desires to shop for a Product he/she is not always any more restrained to asking the pals and households because there are numerous merchandise evaluations on the online which gives critiques of the triumphing users of the merchandise. On line buying websites incorporate big form of merchandise each pinnacle first-class and moderate first-rate preserving in mind the volume of people.

1. There are not any countrywide and worldwide obstacles.
2. In on line shopping the customers are going to be at some stage in an annoying position and providers might not be in the course of a commanding function.
3. There is massive employment opportunities in on line purchasing.

Product data management structures are widely utilized in industry now after tremendous research and development effort revamped a decade. However, the first programs of those equipment so far are confined to the engineering side of the agency, despite the fact that product data management systems are designed for, and capable of, coping with organization-huge information especially with the most recent net-based technology. Bidirectional communications, manufacturing making plans and purchaser relation control systems carries very simple interfaces and facts alternate without an actual-time interoperability between the various features of the employer.

Additionally, the theme of the extended product data management, that's collaborative development or product lifecycle control, still lacks the crucial 'development' factors and acts virtually as a gateway for sharing designs, files and impact revision manage, engineering alternate and workflow. Knowledge control functionality, specifically for the conceptual layout stage is absent in industrial product data management systems. This is, however, advancing at a fast pace inside the modern industrial arena. This paper offers an summary of the present fashion in product data management systems improvement and their programs inside the extended corporation, and introduces the methodologies being evolved in an ongoing clinical research subsidized by means of the engineering and physical sciences studies council, which ambitions to develop product data management technology in addition to treatment quite a number of the present shortcomings. Three other associated projects administered at Canfield University are also described.

2. Review of Literature

- Hirschman and Holbrook ,(1982) , advocate that "motivations of clients to interact in online purchasing consist of each utilitarian and hedonic size. While some net customers can be defined as "trouble solvers" others can be

termed searching for ‘a laugh, myth, arousal, sensory stimulation and leisure’.”

- Babinetal., (1994) endorse that, “the trouble solvers merely shop on line in order to accumulate a unique product or service, in which case buying is taken into consideration to be ‘an errand’ or ‘work’.
- Holbrook (1994) says that, “their principal challenge is to get merchandise in an efficient and timely way to obtain their desires with a minimal of infection of inflammation. in comparison the second category sees on-line purchasing as ‘enjoyment’ and seeks for the potential entertainment ensuing from the fun and play springing up from the internet shopping enjoy for its personal sake other than any different outcome”
- Mathwicketal., (2002) , “if on-line purchasing meets this best via permitting the client to accomplish the buying venture he or she has begun to carry out , then customers will judge the internet shopping overall performance definitely.”
- Childers et al.,(2001) determined “ ‘enjoyment’ to be a steady and robust predictor of mind-set in the direction of on line shopping. if consumers experience their online shopping experience, they need a more possibly to undertake the internet as a Shopping medium”

3. Consumer Online Shopping Interest

3.1 On-line shopping

Through internet, you may simply purchase products and services online. In internet community, on line shopping is extremely famous. One gain of net buying is that it provides the clients with specific information and multiple selections, in order that they are able to examine products and rate online. The greater the choice and convenience, the better it's to searching for out on line your desired Service or product. It's been located that on-line Shopping gives more delight to the stylish day customers who

are looking for convenience and tempo. Magazine of control and research volume 2 variety 2 2015

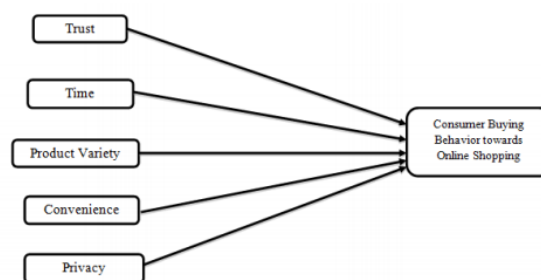


Fig.1: Consumer Satisfaction

3.2 Consumer shopping for-conduct

“Customer conduct are often defined due to the fact they have a look at of people, agencies, or companies and consequently the approaches they use to pick, cozy, and get rid of products, offerings, stories, or thoughts to fulfill needs and therefore the influences that these techniques wear the purchaser and society”. In 2011, the whole global e-commerce sales grew to approximately 961 billion USD or 690 billion euros. A rise of 20% turned into recorded along aspect the Estimation in 2013, the income are expected to move the 1 trillion euro mark through 2013. Boom is better inside the Asia pacific region as compared to greater mature markets like US, UK, Japan and Europe etc. in 2011, Asia pacific location witnessed groundbreaking one hundred thirty% boom in income with the very satisfactory contribution from china.

On-line promoting is now a crucial part of any economic system. Everywhere the global, there had been a clean and increasing agree with in customers in the direction of shopping on-line. Pakistan comes 2d from rock bottom inside the global’s fastest online buying adoption list. In Pakistan, the social media do not have a green position in influencing clients for on-line shopping. One extra reason, as proposed by means of Nielson (2010), is that the humans in Pakistan have had negative enjoy with on line buying within the beyond. Most people who shop online in Pakistan buy simplest garments or hardware online.

3.3 Consider

Mayer, Davis and schoolman, in 1995, defined trust initially as: "The concept "accept as true with" is described due to the fact the willingness of a celebration to be prone to the movements of every other party supported the expectancy that the alternative will carry out a specific motion crucial to the trustor, no matter the strength to observe or control that other birthday celebration." Mayer, Davis and schoolman's have a look at turned into one many of the number one and therefore the Most famous studies on e-commerce accept as true with and that they regarded the maximum predictors of agree with to be goal to require a risk and belief closer to the trustee's characteristics. Clients' willingness to shop for from on-line save is significantly affected by purchaser's accept as true with in giving their personal details and protection for paying via credit card on-line.

An easy manner, a web seller can lessen the worries clients have concerning chance is to keep name merchandise on their web sites. It's also a sincere concept to possess your personal name, like amazon. Keeping and also promoting merchandise from an emblem can enhance accept as true with quotient. The call also substantially impacts the ultimate buying choice of the customer. Client relationships are the foremost full-size consider keeping consider even as building ecommerce. As some distance due to the fact the concern for cozy transactions cares, it's vital that online groups make sure that they may by no means use their clients' non-public information for the alternative functions. This ought to be cited within the privateer's coverage. It's going to help the customer have magazine of control and studies volume 2 range 2 2015 greater safety regarding their identification. On line shops may even build in particular

Incorporated mechanisms that make sure safeguarding of private data of the Customers and avoid misuse of data and bills thru mastercard.one of the foremost elements which are inhibiting online

Buying is that the lack of customers' consider in companies over the internet.

3.4 Time

One of the important problems human beings are handling is perceived time pressures. That is often described by using settle and arrack because the degree to which and character reveals himself lacking time as relative to the daily duties of residing. This perceived pressure might be growing from two distinct resources, situational and Private. Most typically referred to purpose is situational, and it is also very easy to be identified. People frequently locate that they need their arms full with too much work, too many things that require to be accomplished, and now not enough time to be surely geared up to do them. Such humans that understand a time stress can and do file their dilemma by blaming demands associated with work pressures, circle of relatives and other affiliations. Who studied relationships among?

Demographic, persona traits and attitudes toward internet shopping, People who have a greater high-tech way of life or who interact with the web on a habitual basis are more likely to shop for on line very frequently. Additionally human beings with time constraints prefer the web shopping techniques. The greater the pressure and time constraint on a consumer, the more they end up impatient. This could be an inhibiting aspect for online buying. Delivery, shipping, and different such nuances can take time, and to shop for online, consumer need to be willing to twiddling my thumbs and wait for his items to reach. This needs a few making plans earlier than time. Even for clients who save online regularly, in the event that they do not plan in advance, they are much less likely to go for online shopping. Magazine of control and research quantity 2 wide variety 2 2015

3.5 Product Range

There may be limitless upward push in on-line buying in the US and there has been a growing influence inside the overall quantity of retail sales

additionally, as a result calling for extra considerable exploration of paying styles consistent with individual. In order to buy more merchandise on line, the goods and offerings that they want already bought should first satisfy clients. To be equipped to apprehend what clients want in the course of a Website, it's vital that researchers develop then validate metrics as a way to capture the feelings and attitudes of customers that shop on-line comprehensively.

There are numerous researchers who have insisted that there might be specific product sorts and a various range when they are being bought on-line. A product issue are regularly any excellent of the merchandise or carrier it is for sale. More often, merchandise offered on-line are an equivalent as those bought from brick-and-mortar stores. Customers make the choice of searching for from either location primarily based on factors like who is providing the best value for the products. Other factors include the deliver to personalize the products, the overall value and the merchandising.

3.6 Convenience

Copeland brought the concept of comfort in 1923, and categorized good that client purchase most regularly and those which are without problems reachable in shops on the spot demand as convenience items. Advised 4 Possibilities when it includes retailing with a purpose to deliver customers with

Comfort:

- A) Get entry to: capability of patron to succeed inside the retailer
- B) Search: capability to identify and pick products that they want
- C) Ownership: potential to get the products of desire
- D) Transaction: capacity to amend or effect transactions

Although comfort is one among the most important fantastic factors prompting purchasers to shop for online, earlier

Researches both dealt with comfort as a variable that impacts final results variables like customer support

for customer delight, or collectively of the information regarding provider fine on-line, like accuracy. According to Wang comfort is one the most Impactful elements regarding online purchasing willingness. You may shop online at any hour of the day in comparison to standard shops. Online shops are open 24/7. Regular with berry et al., (2002) and Seiders, carrier convenience is one most of the major factors that relates to the purchaser's efforts and time. There are many perceptions closer to it whilst it comes to shopping for or using a provider. Provider comfort is attempt saving within the experience that it minimizes the physical, emotional and cognitive activities that clients undergo to buy goods and offerings on line.

3.7 Privacy

In keeping with bélanger privacy in ecommerce are often defined because the willingness to share non-public facts over the internet, which permits for a transaction regarding a sale to be made. To ease human being's minds about the difficulty of privacy, many web sites have privacy rules in situation. There also are positive independent organizations in an effort to verify, audit and then certify privacy rules for on-line purchasing, like trust. Constant with vellido, out of the nine elements they located that relate to consumer evaluations concerning on line purchasing, patron risk belief was regularly highlighted. It described the users who had sincerely introduced something on-line and those who had no longer. Regular with Flavin and guinalú, security on line is described because the perception of the purchaser that his financial facts are going to be blanketed, not made to be had publically, no longer be stored and no longer be utilized by unauthorized human beings.

Even nowadays, the protection of online transactions is nonetheless a number one difficulty when it includes on line shopping. In reality, some studies say that the subject of privacy is that the principle bump inside the street to the growth of internet shopping. The more the safety and privateers presented to the client in on-line purchasing, for this

reason less chance about exchange of facts. The greater tremendous is that the effect at believe of the buyer, and the better is that the buying revel in.

4. Production Data Management

Do you figure with merchandise on a daily foundation? Have you ever determined yourself questioning if there may be a much better system for keeping with all the information associated with a product? Are you simplest considered one of lots of us who have interaction with a product for your corporation? Well, product records control may be the device for you. Product Data Management is when an agency uses a centralized software program to keep all the expertise associated with a product. This technique feeds all the other structures inside the company that need statistics that product. This data can include everything from the uncooked materials wont to construct that product to how it have been built. The info are frequently used throughout a diffusion of enterprise functions, from layout to marketing.

4.1 The records of product facts management

Product data management became at the start used by and large for the laptop aided layout process. Engineers needed a far higher way to hold with paper documentations associated with the occasion of a product. This centralized device become designed to stay up with all of the data associated with a product. Product data management continues to be used very heavily with the aid of engineers nowadays, but additionally employed by way of many others who construct any product via a series of techniques and staple. Any commercial enterprise person who interacts with a product at some stage in its lifecycle benefits from the usage of this data accrued.

Facts usually stored in product data management includes:

- Technical specifications - measurements and Substances.
- Drawings - digital or guide visuals of the merchandise.

- Bill of substances - or BOMs, for uncooked materials.
- Engineering documentations- how a product is made.
- Different documents- instance, photographed pics of remaining product.

4.3 System Design

A product data management system need to be centralized and contain version control and safety, which maintains the information accurate and provides duty to people who manage the data. The product data management have to be a part of a bigger, extra encompassing, and product lifecycle control device. A consists of the systems to which the product data management feeds statistics, like an internet repository used for advertising the merchandise on line. A product lifecycle may be a more encompassing strategic collection of systems hired through the commercial enterprise to speak about the merchandise. A product lifecycle encompasses each element of a product from inception to plug deployment.

The records collected for product statistics management is processed for deployment to be utilized in other strategic structures in the course of the corporate. The opposite systems structure the merchandise lifecycle management. The statistics amassed for product information management is processed for deployment to be applied in other strategic systems at some point of the corporate. The other structures structure the products lifecycle management.



Fig.3: Production Data Management

Consider your business enterprise sells cookies. You are on line shop may have images of assorted sorts of cookies to get. The ones product shots may consist of unique editing to shape the merchandise more appealing on-line and best saved within the marketing machine. However, the production data management machine have to contain the raw elements for each cookies, along aspect and picture of how this cookie need to look in its most elementary shape. This picture is hired extra for identification than an advertising tool. Every cookie will include a technical description of the way the cookie is ready to make certain that there's a uniform look and taste to each cookie created. However the advertising software, which is a part of the bigger product lifecycle gadget, also can incorporate a softer description that most effective applies to how the cookie description will read online, alongside aspect that marketing image. For example, 'soften for your mouth goodness,' with a picture of a cookie and a tall glass of cool milk in the heritage, can be inside the advertising part of the larger product lifecycle device.

5. Product Data Management Challenges in Manufacturing

we are becoming to discuss what are the most demanding situations in product facts management that require to be solved and why it's essential for corporations to form better use in their available data in order to extensively increase performance. Today we sleep in a global it truly is always being transformed by data. There's a real information explosion and consequently the right equipment are needed to efficiently leverage the extremely precious opportunity that facts can gift and additionally what information can release. The proper product facts management gear gather and remodel statistics and consequently the output is meaningful content material that permits you to form smarter and quicker choices so one can at once impact rock bottom line.

At actively we are quite only a viewing device. We have advanced several software program answers for the discrete manufacturing industry to assist agencies higher control and make better use in their product data. We accept as true with that software program tools can offer super blessings in particular for manufacturing agencies through the wise use in their facts and thru automating mundane procedures. Key traits within the nowadays manufacturing industry are facts connectivity, integration, merging of information among business systems and connectivity with the place of business via sensors and linked gadgets. So, the mission for production agencies today isn't necessarily about growing extra records but about unlocking and leveraging the capacity cost that statistics represents and unlocking the info that is presently trapped within their business structures.

The following technology of technology seeks to conquer communication obstacles and to enhance collaboration whilst that specialize in growing facts accessibility and overcoming the ordinary statistics get entry to barrier. The barrier is probably the shortage of right applications to study the expertise, or that from certain geographic places it is impossible to check the know-how that's held at extraordinary organization sites. The subsequent generation of technology is specializing in liberating the information that is held captive inside your line of enterprise systems and it is that specialize in facts visibility, statistics accessibility and in the end supports the verbal exchange and collaboration across the whole fee chain and throughout the complete corporation. This manner product statistics control will benefit new meanings in the technology of linked production.

- **Collecting product records**

Accumulating the wished product records is one a number of the maximum crucial demanding situations in production nowadays due to the fact maximum companies report outstanding amounts of know-how at each degree of a product's lifecycle but

sadly, maximum of it is typically inaccessible. Relevant statistics is typically unfold throughout the agency or sits on person's difficult drives and are held within multiple enterprise structures. As an end result, the everyday worker spends about 36% in their time finding out and consolidating statistics. With our tool, actively Centro, we will unencumber valuable product records and that we will make it handy and universally consumable for the whole employer.

- **Control and communicate engineering information**

Many departments throughout the corporation need get admission to the precious data it is contained within cad files. Traditionally it's been very steeply-priced to supply cad gear to non-engineers and in some instances the go back on funding of offering cad gear to engineers who are not the usage of cad structures on an everyday is Questionable. With actively Centro we can provide fee-powerful tools which have web-based cad viewing talents and may be available by the whole company.

- **Monitoring preliminary improvement activities** Conventional business systems specialize in presenting support at the assembly cease of a product's development cycle and as a result, the initial improvement phases aren't correctly documented. At actively we concentrate on monitoring initial standards and improvement levels due to the fact in the long run it is where at least eighty% of venture costs are described.

- **Visibility and get entry to employer facts**

80% of company facts is either unstructured or is held within business silos and commonly inaccessible. That is often why we focus on unifying all of your enterprise structures, amassing statistics from throughout the corporation and putting it into an important, impartial repository that offers visibility in your product facts. This manner we

conquer the boundaries of dispersed company places and can help you manipulate your product facts without geographical restrictions.

- **Self-service facts discovery**

Forty six% of customers are currently disenchanted with the prevailing seek capabilities or the hunt programs which might be held inside their groups. Our Centro answer allows business customers to analyze or interrogate cad facts and obtain get admission to facts related to cad files. The Equipment available within the Centro software allows customers to organically navigate their way round information, do comparisons and discover product information on their personal.

- **Maintaining product information in sync**

The expenses of producing from the incorrect bill of substances or the incorrect report versions can probably be very high. On the way to mitigate/put off these dangers, Centro synchronizes agency statistics in an automatic and orchestrated fashion to make sure that everyone is functioning on the latest document version. In Centro, the various revisions are archived whilst using our test-in and check-out functionalities and in the long run, we will make certain that concurrent record management is in situ with a purpose to stop records being lost or overwritten when teams collaborate.

- **Corporation access**

People are becoming tons smarter about how they use records each in their workplaces and of their personal life. Inside manufacturing environments, humans use information constantly. However it's not just engineers or skilled people that require get admission to information. Today nearly everybody during a business enterprise is predicated on facts to complete their jobs. People assume those records in real time because purchaser technologies like smartphones and numerous cellphone apps have made humans wont to receiving and consuming massive quantities of records as a way to arrange and

song factors of their private life. So why cannot they acquire an equivalent equipment and abilities within their place of job? The primary mission that companies face today is the manner to leverage and integrate their statistics. The question is how do they advantage and supply get entry to the information, to the broader company and the manner do they compress or summarize information to urge the proper stability among beneficial facts and statistics overload.

- **Iceberg infographic product information control**

This simple photo illustrates the significance of information held inside a generating surroundings. Traditional means of extracting data from these structures are tedious conferences, guide reporting or manual facts series. The illustration at the proper indicates how via software like actively Centro, we connect enterprise applications and deliver you with synced, smooth-to-understand views and with aggregated information to deliver you with a whole, holistic photograph of your initiatives across the agency.

- **Communication and collaboration**

These days we are creating greater statistics than we have in the other previous 12 months. The most question is what can we do with all that records and the manner were becoming to be geared up to get intelligence from it. Simply imagine if you will free up or release the commercial enterprise price it is trapped within all of your packages or maybe other key resources like static excel spreadsheets. This is frequently where we see era within the manufacturing enterprise definitely beginning to benefit traction because persistent development to realize greater efficiencies with tighter control over techniques stays yr after yr a top priority for senior executives. Consequently, big investments in such employer product facts management systems are regularly anticipated, in particular in the production enterprise to go back. The organization product

statistics control structures of the long run will unite the employer facts, provide information accessibility and visibility to the broader business enterprise users, but ultimately will leverage records to liberate precious commercial enterprise insights.

6. Conclusion

After undertaking this studies, certain consequences got here to light. the most applicable aspect that seems to be affecting customer shopping for-behavior in the direction of on-line purchasing whilst it entails the more youthful generation regarded to be the believe Component. If they trust the internet web site, they may be prone to shop for greater from that internet site. Contrary to popular notion, however, the feel of privacy didn't appear to have an effect on the buyer conduct. Respondents did not appear very involved about giving their private records on line like addresses, as long as they might purchase using the Coins on delivery technique for buy. Widespread element, whilst it entails on line buying as people favored to remain reception and keep as in opposition to going out and browsing thru shops.

The described methodologies and software program architecture have the potential to integrate corporation-wide packages with new capability to allow knowledge-based totally concurrent design on the conceptual layout segment. the particular integration for the Era of conceptual designs and analysis of the planning with each product and manufacturing making plans systems permits managers and engineers to shape design choices with more specialize within the deliver-chain, production, meeting and rate issues related to engineering initiatives. The associated projects defined are complementary to the existing venture and consequently the technologies advanced are going to be integrated inside the destiny.

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