



ISSN: 2230-9926

Available online at <http://www.journalijdr.com>

IJDR

International Journal of Development Research

Vol. 13, Issue, 03, pp. 62201-62203, March, 2023

<https://doi.org/10.37118/ijdr.26566.03.2023>



RESEARCH ARTICLE

OPEN ACCESS

A STUDY ON PROBLEMS WITH VENDING MACHINES IN INDIA

¹Pratham Malhotra, ¹Protiksha Singha, ^{*1}R. Pavish Kumar, ¹Raghav Goyal, ¹R. Rohit Jain, ¹Oswal Isha Jithendra, and ²Mrs. Shilpa Mary, T.

¹Student, JU-CMS, Bengaluru; ²Assistant Professor, JU-CMS, Bengaluru

ARTICLE INFO

Article History:

Received 20th January, 2023

Received in revised form

11th February, 2023

Accepted 26th February, 2023

Published online 30th March, 2023

KeyWords:

Great Investment Opportunities ♦
Challenges and Opportunities.

*Corresponding author:

R. Pavish Kumar,

ABSTRACT

When you insert a set amount of money into a vending machine, little products are automatically distributed. Vending machines primarily sell food (such as chips and candy) and drinks (such as sodas, juices, and bottled water). A coin, bill, or credit card are often inserted into the device, a few buttons are pressed, and then the snack is removed from the slot it was deposited into. Across the world, you can find hot pizzas, muffins, fries, and even books being dispensed from vending machines. Hot drink vending machines actually brew the coffee and pour it into your cup. This low-risk enterprise offers low startup costs, better returns, and exceptional profit margins. is a fantastic business for both beginning and seasoned entrepreneurs. The entire process is fairly straightforward, and there are hardly any overhead expenses. A vending machine offers a wide range of goods, such as snacks, drinks, prepared foods, fresh groceries, etc. In this sector, the typical margin is roughly 25%. Food waste must be closely monitored and kept to a minimum in today's society when environmental awareness is growing every day. When it comes to profitability, this is also a key element. Better profit margins are also a result of less waste. The vending machine business is successful worldwide. As this is just beginning in India, now is a good time to invest and be a part of what issue to be the next best thing in unmanned retail. Low investment and high returns; minimal time and effort; The ability for quick and easy expansion and long-term profits, the machine is the recipe for a profitable business. Vending machines are an excellent investment opportunity to ensure a steady stream of income. And if you decide to move further into this business, you will find that the slot machine industry is for you.

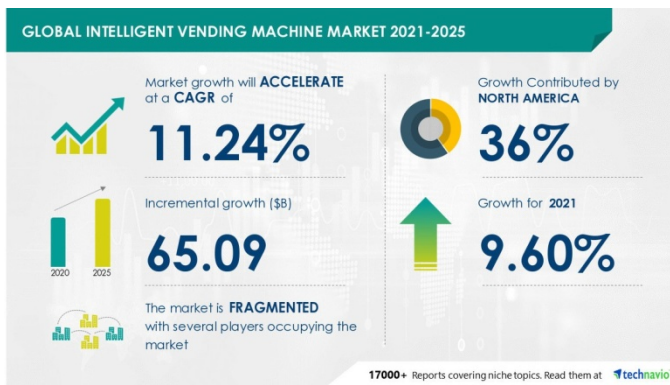
Copyright©2023, Pratham Malhotra et al. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Citation: Pratham Malhotra, Protiksha Singha, R. Pavish Kumar, Raghav Goyal, R. Rohit Jain, Oswal Isha Jithendra, and Mrs. Shilpa Mary, T. 2023. "Remodelação do termo de consentimento livre e esclarecido para o modelo digital". *International Journal of Development Research*, 13, (03), 62201-62203.

INTRODUCTION

A vending machine is a machine that provides clients with items, such as food, drinks, cigarettes, and lottery tickets, in exchange for cash, credit cards or other forms of payment. The earliest contemporary machines, which issued postcards, were created in England in the early 1880s. Many countries have vending machines, and more recently, speciality vending machines have emerged that sell things that are less typical than regular vending machine fare. The following are some issues that vending machines encounter: For products that are out-of-stock, repairs to the machine are not necessary, but routine maintenance is crucial. Make sure you don't sell certain things and leave others untouched. In order to keep customers satisfied, think about stocking more and less of a popular product. You can increase sales without keeping as many products on hand by reconfiguring your machine. currency issues Banknotes may not be accepted by all machines, especially if they are crumpled. On occasion, they even offer the wrong change. In these situations, you will require Camelback Vending's assistance to fix the machine and get

everything back to normal functioning. Consumers won't make a purchase if they lack confidence. obstructed goods If you've ever used a vending machine, chances are you've witnessed an item become stuck before you could get to it. If this keeps happening, the device has to be fixed. To get the car functioning again, a straightforward fix might be to replace an outdated component. Locked operator port The access panel for beverages or other products might dent and wear out as vending machines get older. Customers may find it challenging to obtain the necessities after they leave because of this. In this circumstance, changing the door or access panel will quickly restore the controller to full functionality. assessment of possible vending machine repairs All you know how to do when it comes to vending machine repair is to hit the machine in the hopes that it will shake off the lost goods and start functioning once again. However, experts in Camelback vending machines can go much further. We have experience with vending machines, so we can identify the issue and fix it so that it doesn't happen again. Repairing a really old vending machine may not always be the best course of action. On the other hand, we offer options for you to think about if you want something fresh and modern. Get in touch with Camelback Vending so we can



Notable trends in Vending Machines in India:

- **Cashless payments:** Since it's so inconvenient to carry around extra cash and little change, debit and credit cards and mobile payments are growing in popularity. In Lithuania, card payments per person doubled between 2014 and 2017 and have since risen steadily. Remember that more and more people are making purchases using their smartphones.
- **Payment security:** Increasing payment security is the second development in the vending business, which is driven by the potential for cashless transactions. Card swiping adheres to the mantra of simplicity and quickness that everyone seeks, but it isn't always the most secure method. The vending business collaborates with financial institutions to maintain the highest level of security due to fraud and data leakage.
- **Automated stores:** Amazon has long been experimenting with automated retail outlets. The corporation introduced the first automated store, named Amazon Go, in 2016, which revolutionised unattended shopping. Although most vending machines are fully automated, this might be the beginning of something bigger.
- **Vending Machines:** It's time for a shift. Now that the technology is out of the way, we can return to the core of the vending business: the products in the machines. Maybe the image of an old box containing chips, drink, or other goodies comes to mind when you think about vending machines. That is not the case now.
- **Sustainable solutions:** Nobody should take pride in the fact that, in 2016, Europe produced 5 tonnes of waste per person, only 37% of which was recycled. As just a small portion of the millions of tonnes of waste we produce annually in the world is recycled, retailers must take action.
- **Vending machine operators require field management software:** We may talk endlessly about vending machines, but without maintenance personnel, nothing occurs. Vending store owners are aware of the importance of vending machine operators and how even the smallest inconvenience can interfere with their ability to do their jobs.

SUGGESTIONS

- **Choosing the right location:** The best site to put a vending machine is somewhere with a lot of foot traffic, close to the warehouse for re-filing needs, and where CCTV cameras can be used to monitor activity. You should also take into account the rivalry for, and accessibility of, internet and power.
- **Provide Convenient & Seamless Ordering:** A product can be dispensed via a vending machine in less than 30 seconds, which is both quick and convenient. Additionally, they provide contactless ordering and adhere to all crucial covid rules maximising safety and cleanliness.
- **Zero or Very Less Error:** The difficulties with product dispensing ought to be minimised. Similar to that, there shouldn't be any problems when making payments. The machine shouldn't become jammed with any product. Proper product placement, regular inspections, and maintenance checks can all help to achieve this.

- **Top-Notch Technology:** Smart vending machines offer a variety of digital payment options with automated reimbursements for cancelled or unsuccessful orders. Real-time monitoring of sales & inventory, in-app notifications for routine updates, and other features boost business efficiency and increase revenue.
- **Data collection and analysis:** It's crucial to regularly get input and make adjustments in response to it. The goods offered by the vending machine ought to correspond to what customers want or need most.
- **Product diversification:** Maintaining a diversified selection of profitable products also aids in boosting sales.
- **Customer support:** Building a devoted customer base that translates into more revenue requires active customer care that is available around-the-clock.
- **Running offers and promotions:** Customers are encouraged to keep purchasing from the vending machine and engage with your business by cashbacks, discounts, and giveaways. To reach even more individuals and attract more clients, you may also undertake a referral campaign.
- If sales are particularly strong and regular refilling is necessary, adding more machines at the same location aids in sustaining the growth in sales and profitability. If consumption is substantial, you can even install separate machines for fresh foods and snacks.
- Employ banners and inventive displays within the building where your vending machine is located as well as around the machine itself. This aids in attracting the attention of site employees or visitors.
- **Reduce Wastage:** Your waste should be as minimal as possible to increase revenues. Use a system or application that can forecast the ideal order size for fresh food or other products.

CONCLUSION

Machines that sell frozen and chilled food are programmed not to dispense if the inside temperature goes above a certain threshold. Thus, it's crucial that these devices are placed somewhere they won't be exposed to direct sunlight, which could cause them to become too hot and damage their cooling systems. It's crucial to take out the food before the expiration date has gone because chilled food has a limited shelf life in the appliance. To emphasise the fourth day of the week that the merchandise must be picked up, colour-coded labels can be helpful. Take the product out of the machine, then properly dispose of it. Although there is typically no risk of chemical contamination or pest infestation for people working in offices, these factors should be taken into account when equipment are installed in commercial or public spaces. For instance, equipment was installed in print shops and bus terminals where the cups' surfaces were contaminated with solvents and diesel fumes, and in barns where flies were a problem. These areas should be avoided, and equipment should be placed in a spotless, well-lit area away from windows that could let in ants and out of direct sunlight.

REFERENCES

- https://www.researchgate.net/publication/342394164_A_Growth_for_Vending_Machine_Market_in_India_-_202015/india2015.pdf
<https://gssrr.org/index.php/JournalOfBasicAndApplied/article/download/12579/6003/>
<https://www.alliedmarketresearch.com/vending-machine-market-A09486>: World Travel and Tourism Council Data, 2016
<https://straitsresearch.com/report/vending-machine-market>.
<https://www.marketresearch.com/Food-Beverage-c84/Food-Service-Hospitality-c169/Vending-c527/>
<https://www.mordorintelligence.com/industry-reports/global-vending-machine-market>