



Yashoda Shikshan Prasarak Mandal's

YASHODA TECHNICAL CAMPUS, SATARA

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Affiliated to DBATU Lonere & Shivaji University, Kolhapur/ MSBTE, Mumbai.

Institute Code – 6757

Prof. Dasharath Sagare
Founder, President

Prof. Ajinkya Sagare
Vice-President

Dr. Vivekkumar Redasani
Director

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Year	2022-23	2021-22	2020-21	2019-20	2018-19	Total
Number	52	5	2	-	-	59




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Late Dr. A. D. Shinde
Founder Director

International Conference

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Digital Technology: Its Impact, Challenges and Opportunities

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CERTIFICATE

This is to certify that *Dr. Rajashri Ramesh Chavan* of *Yashoda Technical Campus, wadhe, Satara* has participated as a Delegate and presented a paper entitled "*Veena World Eminence in International Tour Packages in Satara*" in the International Conference on "*Digital Technology: Its Impact, Challenges and Opportunities*" held on Saturday, 25th Feb 2023 at V. P. Institute of Management Studies and Research, Sangli.

Dr. S. T. Bhosale

Conference Convener
Asst. Professor, VPIMSR, Sangli

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Veena World Eminence in International Tour Packages in Satara

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Abstract:

Paper attempted to know the eminence of Veena World in international tour packages in Satara to understand the scope for international tour operating business in Satara. 7P's of marketing mix Product (Tour packages), Pricing, Place and channel distribution; Promotion, Process, People and Physical Evidence considered to know the eminence of Veena World with reference to existing four tour-operating agencies in international tour packages in Satara as Sathe Tours, Global Holidays, Kadam Tours and Kesari Tours. Collected data analyzed and inferences presented in data discussion. The results shows that though there are five tour operating providers in international market, Kesari tours is close competitor to Veena World. More or less their offers are similar. Both are involved in number of packages, however some area offers are exclusively offered by Kesari and some by Veena World. It shows that their competition lies with product range. In case of pricing Veena World pricing range is lower compared to Kesari. Rest of the tour operating agencies in Satara is much behind in product range compare to Veena World. Thus, Veena World can compete only with product range and prices since promotion, physical distribution & place (location), people, process and Physical evidence are available and found similar so no scope to compete in these elements. Spot booking is not available in Veena World service delivery process as other do. Article provides input to the new comers in tour operating business in international tour packages in Satara. Veena World would come to know their eminence in international tour packages in Satara, would understand the competitive edge, and know the unmet areas in product offers. Comparison could help in selecting appropriate marketing mix model according to product's categories. Article raise few questions like is established brand make the difference in price competition. Is Veena World obtained the same results from other cities?

Keywords: Tour Packages, Veena World, Marketing Mix and International Tour

Introduction:

Tourism is the holiday's concept for customers to be based on national level, international level or all over the world. It is the purpose of enjoyment, to see attract views, to see nature creation, to roaming, for family trip, group tour, etc. activities involved in this sector. The concept of modern

tour came into being in the second half of 19th century with the development of road, rail, and sea transport after the industrial revolution. There are many tourism activities require big package with satisfaction cost with the quality services to be successful. There are many travel agencies are successful at an international level packages viz. Veena World, Kesari Tours, Global Holidays, Sathe Tours, Kadam Tours, etc are also working in Satara.

In Satara at international level tourism agencies provides some packages like Africa, America, Australia, New Zealand, Dubai, Europe, Sri Lanka, Hong Kong, Singapore, Thailand, Japan, China, Korea, Maldives, Mauritius, etc. A Veena world team extremely knowledgeable & extensively travelled professional strives to provide the best quality service and value for guest. Company working with a vision to provide a pleasant experience for everyone in the family, anytime, anywhere, around the world and continue to reach to the mission to offer affordable travel to everyone, anytime, anywhere around the world through personalized services at all levels and to have transparent dealing with guests, partners and Associates.

Veena World was started in a 30th June 2013 in Satara with an expectation that they can do better in their business. They did better since there was less competitors to compete the business but as the time passes new entrants started entered in the business with the new ideas, new marketing strategies, packages to attract the tourist flow and the competition is going tougher & tougher. Therefore, there is a need to design & develop marketing program to attract new customer, improve the sales figure, to improve the profit, to retain the existing ones and to survive in the competition. To determine effect and efficient marketing program need to redesign marketing mix by considering the comparative status of marketing mix with the competitors available in Satara. The new entrants in this tour operating business need to aware the eminence of existing players in Satara in international tour packages. Therefore two objectives set to suffice the purpose as to understand the marketing mix of Veena World with reference to existing players in Satara and to evaluate the elements to draw the inferences.

Review of Literature:

Researcher gone through previous researches to know research study undertaken to evaluate the elements of marketing mix and the study about tour operating business. It is briefed as follows:

It is significant to discuss whether established marketing models can be revised for products. First, the unique features of products were systematically reviewed, and then three typical products were analyzed and compared utilizing three established marketing models, including 4P, 4C, and 4S. It found that these marketing mix models have different suitability for three typical products. The intention of this paper was to provide a reference for enterprises in selecting marketing mix model according to product's categories and to provide a marketing strategy tool kit. (KanLiang Wang)



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(Chan S.Yeu, 2012) Study examines the international marketing mix in two different important markets with an objective to analyze and understand the similarities and differences of the international marketing mix strategy implementation by the company. Using comparative analysis, this study focused on 4P approach of marketing mix which is based on product, price, promotion and place analysis. It found that the concern has adopted different kind of its 4P in their international marketing mix based on both, localization and globalization approaches.

As a service provider, Tour operator plays a vital and intermediate role between tourism and tourists. Article reviews how sustainability systems in Bharath International Travels (BIT) are being challenged by organizational habit and perceptions rather than analytical decision-making with respect to the relationship between health and safety, quality and sustainability with the concept of supply chain management. Environmental indicators are identified as the most conflictive and they demonstrate that most challenges require a change in human behaviour rather than a technical solution. The data suggests that tour operators need to develop sustainability auditing tools that consider the impacts upon health, safety and quality within the accommodations. The Travel life sustainability auditing system provides a useful case study to demonstrate the necessary requirement for a complementary approach when conducting accommodations audits. This research aims to measure the awareness and the implementation of tour operators (TOs) regarding to sustainable tourism supply chain management (STSM) and to explore the internal factors of Tour operators affecting their STSM implementation (Devaraja T.S., 2014)

Most of the challenges are originating from the external facilitators of the tourism but they have negative impacts in the internal business operations of tour operators. There are some obstacles towards the delivering of the services by the tour operators to the customers resulting from the improper functioning of other supporting factors such as poor infrastructure, safety etc. Thus, appropriate measures should be taken from the public and private sectors in joining forces to tackle the challenges by tour operators (Nkonoki, 2012).

Apart from technology transfer, capacity building among tour operators and consumer education are necessary to further disseminate feasible strategies to mitigate tourism's climate impact in the nature-based tourism segment (Laura Driscoll, 2007).

Study identifies motivations of tour operators in responding to responsible rural tourism development as well as the challenges and barriers faced by tour operators. Also proposes a theoretical framework which is built upon the motivation factors using the push and pull theory to present the initiatives of tour operators in the practice of responsible tourism development in rural destinations. (Chan, 2013)

(Ngesa, 2012) Study determine the reasons why tour operators ignore sustainable



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Tourism recommend appropriate incentives to encourage to embrace sustainability and found that they are generally positive about sustainable tourism and know that they have a role to play hence they should be actively involved and felt that an eco-rating scheme was not urgent. What is required is: Training, education and awareness. Involvement of more people & organizations within and outside tourism industry in the pursuit for sustainable tourism since tourism impacts on many people and organization cutting across various industries and regions. Suggest that there is a need for the national tourism policy and vision for ecotourism, identification of the needs of tour operators about sustainable tourism, communication of the benefits of sustainable tourism to tour operators and promotion of the ownership of the concept among tour operators and the public. Recommended Tools for engaging tour operators as 44% mandatory code of conduct, 30% eco-rating schemes, 19% own initiatives. There is need for the different players to take responsibility: Government – Policies, national ecotourism/ sustainable tourism strategy, provide infrastructure e.g. collecting and disposal of waste responsibly, provide generic guidelines to guide the industry. Organizations (Tour operators, Hoteliers, Travel Agents, Destination managers, Trade Associations etc) and should take responsibility for their carbon footprint.

Tour operating firms are key players in the tourism sector. Recognizing this fact, study aimed at identifying the major roles played by tour operating firms in Ethiopia, and their defining characteristics such as their branch distribution, promotional methods they employ, the skills and training of their personnel, and the level of involvement of local communities in their operations. Findings indicate that tour-operating firms are highly vertically integrated, have low branch distributions in tourist attraction sites, employ a few promotional media, and involve local communities in some forms of tourism activities at tourist destination sites. The sector is also characterized by lack of skilled man-power and appropriate infrastructures (Seleshi, 2011).

Article argues that perceived risk is inhibitor for the emerging domestic market to develop a culture of going on holiday, which necessary for the sustainable development of tourism in South Africa. Entrenching a culture of travel can be expedited through appropriate package tours in the same way as it stimulated domestic travel in former Eastern European societies. Packaged tours provide convenience and both psychological and financial security in a single transaction which can be considered a surrogate for the benefit of risk avoidance when visiting friends and relatives. Study indentified the importance of decision factors for domestic packaged tours. The most important perceived decision criteria were cancellation possibility, affordability and safety whilst on tours the three least important were radio promotion, train transport and proximity. The result may be used by new and small tour operators to improve decision making and render competition more knowledge based and proximity. The results would used by new and small tour operators to improve decision



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making and render competition more knowledgeable. It would serve the need of both tourist buyers and tourism sellers and contribute to sustainable development (Bresler, 2011).

Well traveled: Rebounding travel rates will keep the industry soaring despite high competition. The industry report identifies the leading companies and offers strategic industry analysis of the key factors influencing the market. (Tour Operators in the US: Market Research Report, 2015),

<http://www.ibisworld.com/industry/default.aspx?indid=1482>

Tour operators function as intermediaries in the tourism distribution system linking producers and consumers. Their expertise in packaging tourism products allows for more offerings to a wider range of tourists. This study examined the role tour operators fill in packaging travel to developing countries using Indonesia as a case study. Many developing country governments, including Indonesia, have assumed active roles in tourism development. (Tour Operators' Role in the Tourism Distribution System; January 1993)

Research Methodology:

Present study conducted in Satara during 2021-22. Survey conducted to know marketing mix of five tour operators Sathe Tours, Global Holidays, Veena World, Kadam Tours and Kesari Tours, who offers foreign international tour package to customer in Satara. Aim to know the Marketing efforts of Veena World in International Tour Packages in relation to competitors in Satara. Therefore, structured schedule prepared to probe into the details. The Primary (schedule, discussion and observation) and secondary data (organization documents, advertising materials, brochures etc) used to suffice the set objectives. Collected data presented with the help of tabulation, interpretation and findings.

Data Discussion and Presentation:

Veena world embarked on a new and exciting journey to give a lifetime experience of travelling with the best services like Signature Holidays, Corporate Travel- MICE (Meeting, Incentives, Conferencing, and Exhibitions), Inbound Holidays, Short Break, Group Tours- Jubilee Tours, Senior's Special, Women's Special, Student's Special, Honeymoon Special, etc.

In Honeymoon special package, Only Veena World and Kesari Tours offers the packages. Of which Veena World provide Thailand Rs.46631, Mauritius Rs.84917 with lower price compare to Kesari Tours Thailand Rs.54550, Mauritius Rs.99943. However, Bangkok Rs.79851 distinct offer by Veena World and Singapore Rs.76708 distinct offer by Kesari Tours.

In Women Special Package Only Veena World and Kesari offers this product. Veena World provide offer Bhutan, North East, America, Sri Lanka, Europe, Dubai, Scandinavia-Russia, Scandinavia, Russia, Australia which are not with Kesari Tours. Veena World also takes the



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advantage of Mauritius Rs.88262, Thailand Rs.46631 that is more affordable than Kesari as their rates for Mauritius Package Rs.101665, Thailand Rs.51038 packages. However, Kesari Tours offer some exclusive packages China, Hong Kong-Macau-Shenzhen, Singapore Malaysia, Sri Lanka Maldives, New Zealand, Australia-New Zealand. Thus, Kesari Tours is the close competitor to Veena World.

In Seniors Special Package available only with Veena World and Kesari Tours. Of which Veena World's price of Thailand Rs.46631, Mauritius Rs.88262 is affordable than Kesari Tours prices of Thailand Rs.51038, Mauritius Rs.101665 package. Kesari Tours take the advantage of Sri Lanka-Maldives combine package, which is not with Veena World. Veena World offers reasonable packages as Nepal, Europe, Sri-Lanka, Scandinavia, Bhutan, Australia, America, New Zealand, Singapore Malaysia with Cruise, Australia-New Zealand.

Jubilee Special package as Thailand, Dubai, Mauritius, Europe, America, Singapore with Cruise available only with Veena World. So it does not have the competition in this package to compare the cost.

In Single Special Package Thailand, Dubai, Turkey, Europe, Nepal, and Singapore with Cruise are provided only by Veena World. No competition in this package.

In Student Tour Package only two agencies are involved in this offer in Satara. Where America Rs.267632 package available only with Kesari Tours. Whereas Singapore Rs.69884, Europe Rs.103974, Switzerland Rs.146165 offers available only with Veena World. Mauritius packages Rs.45631 offered by Veena World and Kesari offers Rs.49660. It shows that Veena World is more affordable compare to Kesari Tours.

Short weekend packages Singapore, Hong Kong, Bali exclusively offered by Kesari in Satara. No competition in this offer to compare.

Economy Tours packages Dubai with Sharjah, Mauritius, Sri Lanka-Maldives, Thailand-Hong Kong, Thailand exclusively offered by Kesari Tours in Satara.

In Family Tour packages, Sath Tours offers only Singapore-Thailand-Malaysia Rs. 113000. Of which, almost all package offers available with Global Holidays. Kadam Tours offers 4 packages Singapore-Thailand-Malaysia, Singapore-Malaysia, Bangkok-Pattaya-Phuket and Hong Kong-Macau in addition to that Macau-Shenzhen- Hong Kong, Singapore-Malaysia-Hong Kong and Singapore-Hong Kong offered by Kesari. However, Veena World provides maximum packages in affordable price. Singapore-Malaysia Rs.78000, Bangkok-Pattaya-Phuket Rs.65000.

In Dubai-Mauritius Tours Packages all five tour agencies are involved in this offer. Sath Tours offers 2 packages, Kadam Tours, Veena World and Kesari Tours offers 5 offers whereas Global Holidays offers 6 tour packages. Veena World offers exclusively Mauritius Kenya Dubai and



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Mauritius-Seychelles tour packages. In this category, Veena World offers lower Prices compared to other.

In Italy-Austria-Swiss-Paris-London Tours Packages except Sathe tours all are involved but Veena World and Kesari Tours packages offer are more compared to other. London-Swiss-Paris package offered by four tour agencies where Kadam Tours prices are lowest compared to other. Veena World exclusively offers Austria-Swiss-Paris-London, Italy-Austria-Swiss-Paris. In rest of tour packages in this category its prices are lower compared Kesari Tours.

Europe Continent Tours Packages offered by all except Sathe Tours. All of Europe package is offered by Global Holidays and Kesari Tours. Best of Europe and All of Europe does not available with Veena World whereas European Treasurer, European Discovery, European Dream and European Magic only like tour packages in this category exclusively available only with Veena World. Compare to Kesari tours Veena World package prices are lower.

In One Country Tours Package all tour agencies are involved. However, Sri Lanka offer only available with Sathe Tours, Veena World and Kesari Tours. Veena World offers highest number of packages in this category compared to others as 'Sri Lanka, Switzerland, Greece, Poland, Spain, Turkey, Egypt, Singapore, Jordan-Israel, Thailand, New Zealand, Australia, Alaska, Canada and Spain with La Tomatina Festival'. Norway is only offered by Global Holidays. Alaska, Canada, Greece, Egypt and Poland exclusively offered by Veena World in Satara. Whereas Ireland, Portugal exclusively offered by Kesari Tours in Satara.

In the category of United States of America & Scandinavia-Russia Tours Packages all tour operators available except Sathe Tours. Global Holidays offers only two options as Scandinavia-Russia and Scandinavia-Midnight Sun. Kadam Tours offers only single option as USA Whereas Veena World and Kesari Tours offers almost all. USA East-West Coast only available with Kesari Tours and South America offer is only available with Veena World. Kesari Tour is close competitor to Veena World but Veena World prices are lower compared to Kesari Tours in Satara.

Japan-China-Korea Tours Packages are offered by Sathe Tours, Veena World and Kesari Tours. Japan-China-Korea package offer is only available with Veena World and Japan China is exclusively available with Kesari Tours. Prices in this category lowest prices only available with Sathe Tours compared to other. China-Hong Kong-Macau offer is available only with Sathe Tours and Kesari Tours.

Two-Three Combine Countries Tours Packages all samples are involved. Highest options available with Veena World compared to other. Bali-Indonesia and Sri Lanka-Maldives only two offers available with Sathe Tours in this category. Israel-Jerusalem-Tel Aviv offer only available with Global Holidays. Sri Lanka-Maldives is a single option offered by Kadam Tours. Mysterious



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With Egypt, Slovenia-Croatia and Amsterdam-Paris-London-Scotland are exclusive options only available with Kesari Tours whereas England-Scotland-Ireland-Wales, Greenland-Iceland, Tashkent-Samarkand offers exclusively available only with Veena World.

Veena World offers lowest pricing compared to Kesari Tours-

In Place and Channel Distribution few variable tested by Researcher to compare among the tour agencies. All types of transportation is offered by all the tour agencies except rail with Veena World. Communication regarding offline and online is available with all the agencies. Infrastructure finds best in Sathe Tours, Global Holidays whereas find better with Veena World and Kesari tours. Find good with Kadam Tours. It shows that few agencies give more weight age to infrastructure. All agencies find easily accessible to the tourist. Professional Staff is available with all tour agencies in Satara. Hospitality also finds in all the tour agencies in Satara.

In case of Promotional Activity, Advertisement did by all the tour agencies. Flex and Hoardings are also by all agencies. Newspaper is preferred by all except Global Holidays. Seminar and Conference conducted by all except Sathe Tours and Kadam Tours. Television media is only preferred by Veena World and Global Holidays. Except spot-booking all types of promotion tools executed by Veena World.

In Service delivery process almost all the tour agencies follow the standard process. Six element of marketing mix People, all the agencies going in similar ways except with more or less experience about product knowledge.

About physical evidence, almost all tour agencies in Satara have similar pattern of physical evidence.

Finding:

There is various international tour packages offered under product range by existing players in Satara under different heads. Data shows that Honeymoon special package is available only with Veena World and Kesari Tours. Bangkok is exclusive offer by Veena World. However, Singapore offer is missing by Veena World's Honeymoon special package. Kesari Tours is only one competitor to Veena World in Women Special. Where Kesari Tours offer some exclusive packages China, Hong Kong-Macau-Shenzhen, Singapore Malaysia, Sri Lanka Maldives, New Zealand, Australia-New Zealand. However, Bhutan, North East, America, Sri Lanka, Europe, Dubai, Scandinavia-Russia, Scandinavia, Russia, Australia are offers exclusively available only with Veena World. Thus Veena World has advantage to highlight into competition. Veena World has only single competitor in Senior Special Package where Sri Lanka-Maldives combine package available only with Kesari Tours. Thailand, Dubai, Mauritius, Europe, America, Singapore with Cruise Jubilee Special package are available only with Veena World. No competition to Veena World in this segment. In Student



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Tour Packages also Kesari is the close competitor to Veena World But Singapore, Europe, Switzerland offers available only with Veena World. Short weekend packages Singapore, Hong Kong, Bali and Economy Tours packages Dubai with Sharjah, Mauritius, Sri Lanka-Maldives, Thailand-Hong Kong, and Thailand exclusively offered by Kesari only. Here Veena World is lacking. Maximum family tour packages available with Veena World compared to other competitor. Mauritius Kenya Dubai and Mauritius-Seychelles tour packages in Dubai Mauritius tours only available with Veena World.

In Italy-Austria-Swiss-Paris-London Tours Packages, Austria-Swiss-Paris-London, Italy-Austria-Swiss-Paris are the exclusive offers only available with Veena World. In Europe Continent Tours Packages, European Treasurer, European Discovery, European Dream and European Magic only available only with Veena World however, Best of Europe and All of Europe offer is only available with Kesari Tours. Veena World offers highest number of packages in one country tour package. Ireland, Portugal exclusively offered by Kesari Tours. South America offer is in United States of America and Scandinavia-Russia only available with Veena World and not with Kesari Tours. Whereas USA East-West Coast only available with Kesari Tours. Japan-China-Korea package offer is only available with Veena World and Japan China is exclusively available with Kesari Tours. In two three-combine countries, highest options available with Veena World compared to other.

Considering pricing option of close competitor Kesari Tours, Veena World is pricing is lower. All types of transportation is offered by all the tour agencies except rail with Veena World. Television media is only preferred by Veena World and on the spot booking avoided only by Veena World. Other promotional tools are preferred by almost all the tour agencies. All the tour agencies follow the standard process of tour service delivery. In People, all the agencies following similar ways except with more or less experience about product knowledge. Almost all tour agencies in Satara have similar pattern of physical evidence.

Conclusion:

To conclude that there are few tour agencies available in Satara to provide the International Tour Packages with various offers as Jubilee Tours, Senior's Special, Women's Special, Student's Special, Honeymoon Special, etc. It found that Kesari Tours is a close competitor to Veena World. It also found that the some offers are exclusively available with Kesari and some with Veena World. However, pricing range of Veena World offers are reasonably lower compared to Kesari Tours in Satara. Only Product and Pricing are the elements of marketing mix are available to the Veena World to compete in market and Promotion, Location, Physical Distribution, People, Process and Physical Distribution like elements do not have scope to compete as they are equally available with



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other competitors. Therefore Veena World should understand their strengths and weaknesses and should design proper marketing strategy to tap and compete the target market. The present study gives the scope for further research as to comparison of customers' feedback towards same package, Is established brand and market reputation makes the difference in creating positive impact on customer's preference of tour agencies?

Managerial Implications:

After realizing the strengths and weaknesses in tour operating business in Satara with reference to competitors' elements of marketing mix, Veena World can restructure its product range and would take competitive advantage of its pricing as price is sensitive factor in buying behaviour of Indian Customer especially Satara inbound tourist where Satara is known for pensioners city. Veena World should design their product range and marketing strategy to suit to the demographic profile of Satara. New entrants could design appropriate marketing mix model before introducing in Satara.

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Annexure

Table: 01 Honeymoon Special Package

Following table shows comparative status of Veena World with the competitor of Honeymoon Special Package.

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
A.	Thailand	-	-	46631	-	54550
B.	Mauritius	-	-	84917	-	99943
C.	Singapore	-	-	-	-	76708
D.	Bangkok	-	-	79851	-	-

Source: Primary Data

Table: 02 Women Special Package

Following table shows comparative status of Veena World with the competitor of women Special Package.

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
A.	Bhutan	-	-	55900	-	-
B.	North East	-	-	60900	-	-
C.	America	-	-	290226	-	-
D.	Sri Lanka	-	-	63930	-	-
E.	Europe	-	-	163400	-	-
F.	Dubai	-	-	88560	-	-
G.	Scandinavia-Russia	-	-	250900	-	-
H.	Scandinavia	-	-	164025	-	-
I.	Russia	-	-	1220650	-	-
J.	Australia	-	-	241066	-	-
K.	Mauritius	-	-	88262	-	101665
L.	Thailand	-	-	46631	-	51038
M.	China	-	-	-	-	159895
N.	Hong Kong-Macau-Shenzhen	-	-	-	-	107201
O.	Singapore-Malaysia	-	-	-	-	101555
P.	Sri Lanka-Maldives	-	-	-	-	104134
Q.	New Zealand	-	-	-	-	237990
R.	Australia-New Zealand	-	-	-	-	341330

Table 03 Seniors Special Package-

Following table shows comparative status of Veena World with the competitor of Seniors Special Package.

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours



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A.	Thailand	-	-	46631	-	51038
B.	Mauritius	-	-	88262	-	101665
C.	Sri Lanka-Maldives	-	-	-	-	104134
D.	Nepal	-	-	49900	-	-
E.	Europe	-	-	120835	-	-
F.	Sri Lanka	-	-	62851	-	-
G.	Scandinavia	-	-	160875	-	-
H.	Bhutan	-	-	55900	-	-
I.	Australia	-	-	242716	-	-
J.	America	-	-	200695	-	-
K.	New Zealand	-	-	202178	-	-
L.	Singapore Malaysia with Cruise	-	-	112938	-	-
M.	Australia-New Zealand	-	-	369097	-	-

Table 04 Jubilee Special Package-

Following table shows comparative status of Veena World with the competitor of Jubilee Special Package.

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
A.	Thailand	-	-	46631	-	-
B.	Dubai	-	-	85560	-	-
C.	Mauritius	-	-	88262	-	-
D.	Singapore with Cruise	-	-	99361	-	-
E.	Europe	-	-	220660	-	-
F.	America	-	-	275511	-	-

Table 05 Single Special Package-

Following table shows comparative status of Veena World with the competitor of Singles Special Package.

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
A.	Thailand	-	-	46631	-	-
B.	Europe	-	-	135800	-	-
C.	Turkey	-	-	80905	-	-
D.	Dubai	-	-	77394	-	-
E.	Nepal	-	-	45900	-	-
F.	Singapore With Cruise	-	-	97361	-	-

Table 06 Student Tours Package-

Following table shows comparative status of Veena World with the competitor of Student Tour Package.

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
A.	Thailand	-	-	45631	-	49660
B.	America	-	-	-	-	267632
C.	Singapore	-	-	69884	-	-
D.	Europe	-	-	103974	-	-
E.	Switzerland	-	-	146165	-	-



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Table 07 Short Weekend-

Following table shows comparative status of Veena World with the competitor of Short Weekend.

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
A.	Singapore	-	-	-	-	76708
B.	Hong Kong	-	-	-	-	72440
C.	Bali	-	-	-	-	64660

Table 08 Economy Tours Package-

Following table shows comparative status of Veena World with the competitor of Economy Tour package.

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
A.	Dubai With Sharjah	-	-	-	-	69096
B.	Mauritius	-	-	-	-	82684
C.	Sri Lanka-Maldives	-	-	-	-	90354
D.	Thailand-Hong Kong	-	-	-	-	93019
E.	Thailand	-	-	-	-	51038

Family Tours Packages-

Following table shows comparative status of Veena World with the competitor of Family Tour Package.

Table 09 Singapore-Thailand-Malaysia Tours Packages-

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
1.	Singapore-Thailand-Malaysia	113000	110000	103253	120000	128132
2.	Singapore-Hong Kong	-	80000	-	-	119878
3.	Singapore-Malaysia	-	100000	89731	78000	106805
4.	Singapore-Malaysia-Hong Kong	-	145000	-	-	154160
5.	Bangkok-Pattaya-Phuket	-	42000	79688	65000	86613
6.	Singapore-Kulu lumpur-Malaysia	-	75000	-	-	-
7.	Singapore-Thailand-Malaysia-Hong Kong	-	125000	155308	-	-
8.	Singapore-Hong Kong-Macau	-	11000	10988	-	-
9.	Hong Kong-Macau	-	75000	-	85000	-
10.	Macau-Shenzhen- Hong Kong	-	100000	91656	-	106954
11.	Vietnam-Cambodia-Philippines	-	140000	149550	-	-

Table 10 Dubai-Mauritius Tours Packages-

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
1.	Dubai-Abu-Dhabi Ferrat Park	79900	74000	80388	70000	91224



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2.	Dubai With Sharjah	-	60000	-	60000	68972
3.	Dubai With Burj Khalifa	-	60000	58225	50000	
4.	Dubai-Abu-Dhabi-Oman	-	82000	101415	-	136235
5.	Dubai-Abu-Dhabi	75000	70000	-	-	-
6.	Dubai-Mauritius	139000	120000	-	95000	-
7.	Mauritius With Dubai	-	-	-	-	132894
8.	Mauritius Kenya Dubai	-	-	194772	-	-
9.	Mauritius-Seychelles	-	-	100328	-	-
10.	Mauritius	-	-	87777	75000	101478

Table 11 Italy-Austria-Swiss-Paris-London Tours Packages-

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
1.	Austria-Swiss-Paris-London	-	-	240582	-	-
2.	Italy-Austria-Swiss-Paris	-	-	230158	-	-
3.	Italy-Austria-Swiss	-	-	183355	-	187472
4.	Italy-Swiss-Paris	-	-	188355	-	234950
5.	London-Swiss-Paris	-	200000	208391	195000	244910
6.	Austria-Swiss-Paris	-	-	193391	-	225686
7.	Swiss-Paris	-	-	166624	-	182122
8.	Austria-Swiss	-	-	166624	-	-
9.	Italy-Swiss	-	-	161201	-	-
10.	Italy-Austria	-	-	156165	-	-
11.	Austria-Munich	-	-	137750	-	-

Table 12 Europe Continent Tours Packages-

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
1.	Best Of Europe	-	-	-	-	279740
2.	All Of Europe	-	235000	-	226000	339870
3.	European Jewels	-	-	230158	-	287110
4.	European Wonders	-	-	199238	-	295390
5.	European Highlights	-	-	162931	-	177786
6.	European Treasurer	-	-	417189	-	-
7.	European Discovery	-	-	454343	-	-
8.	European Dream	-	-	325960	-	-
9.	European Magic	-	-	297348	-	-

Table 13 One Country Tours Packages-

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
1.	Sri Lanka	64000	-	64090	-	76672
2.	Switzerland	-	-	156165	-	183878
3.	Greece	-	-	145056	-	-
4.	Poland	-	-	93434	-	-
5.	Spain	-	170000	140317	-	157822
6.	Turkey	-	-	136823	-	128890



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7.	Egypt	-	-	120741		
8.	Portugal	-	-	-	-	169854
9.	Singapore	-	-	67777	40000	-
10.	Ireland	-	-	-	-	162830
11.	Jordan-Israel	-	-	180335	-	191913
12.	Thailand	-	30000	41192	40000	58883
13.	New Zealand	-	-	193394	-	265205
14.	Australia	-	-	236726	-	272950
15.	Alaska	-	-	243349	-	-
16.	Canada	-	-	372789	-	-
17.	Norway	-	270000	-	-	-
18.	Spain With La Tomatina Festival	-	-	139191	-	128890

Table 14 United States of America & Scandinavia-Russia Tours Packages-

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
1.	USA	-	-	274928	250000	373016
2.	USA West Coast	-	-	200637	-	213668
3.	USA East Coast	-	-	175340	-	187684
4.	South America	-	-	679311	-	-
5.	Canada-Alaska	-	-	496519	-	519835
6.	USA East-West Coast	-	-	-	-	288096
7.	Scandinavia-Russia	-	215000	252348	-	268972
8.	Scandinavia	-	-	177931	-	197140
9.	Russia	-	-	119858	-	148190
10.	Scandinavia-Midnight Sun	-	210000	324962	-	352150
11.	Scandinavia-Northern Light	-	-	251500	-	255830

Table 15 Japan-China-KoreaTours Packages-

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
1.	China-Hong Kong-Macau	159500	-	-	-	173263
2.	China	109500	-	129699	-	159533
3.	Japan-China-Korea	-	-	296210	-	
4.	Japan-China	-	-	-	-	268137

Table 16 Two-Three Combine Countries Tours Packages-

Sr. No.	Name of Package	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
1.	Bali-Indonesia	76500	-	105358	-	-
2.	Sri Lanka-Maldives	76500	95500	101475	75000	116878
3.	Australia-New Zealand	-	-	350054	-	397916
4.	South Africa-Kenia With Victoria Falls	-	260000	249750	-	325075
5.	Mysterious With Egypt	-	-	-	-	127478
6.	Israel-Jerusalem-Tel Aviv	-	15000	-	-	-



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7.	Greece-Turkey	-	90000	156165	-	172786
8.	Tashkent-Samarkand	-	-	83596	-	-
9.	Slovenia-Croatia	-	-	-	-	165910
10.	Greenland-Iceland	-	-	366063	-	-
11.	England-Scotland-Ireland- Wales	-	-	193355	-	-
12.	Spain-Portugal-Morocco	-	-	177931	-	221790
13.	Amsterdam-Paris-London- Scotland	-	-	-	-	214474

Table 17 Channel Distribution-

Following table shows comparative status of Veena World with the competitor of Channel Distribution in Satara.

Sr.	Location	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
1.	Transportation					
A.	Air	√	√	√	√	√
B.	Rail	√	√	-	√	-
C.	Road	√	√	√	√	√
D.	Own Vehicle	-	-	√	√	√
2.	Communication					
	Online	√	√	√	√	√
	Offline	√	√	√	√	√
3.	Infrastructure					
A.	Good	-	-	-	√	-
B.	Better	-	-	√	-	√
C.	Best	√	√	-	-	-
4.	Easy Accessible					
A.	Near	√	√	√	√	√
5.	Professional Staff					
A.	Yes / No	Yes	Yes	Yes	Yes	Yes
6.	Hospitality					
A.	Yes / No	Yes	Yes	Yes	Yes	Yes

Table 18 Promotional Activity-

Following table shows comparative status of Veena World with the competitor of Promotional Activities in Satara.

Sr.	Promotional Activity	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
A.	Advertisement	√	√	√	√	√
B.	Flex & Hoardings	√	√	√	√	-
C.	Newspaper	√	-	√	√	√
D.	Seminar & Conference	-	√	√	-	√
E.	Television	-	√	√	-	-
F.	Radio	-	√	√	√	-



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G.	Websites	√	-	√	√	√
H.	Word of Mouth	√	√	√	√	√
I.	Seasonal Offer	√	√	√	-	-
J.	On the Spot Booking	√	√	-	-	-
K.	Personal Visit	√	√	√	√	√
L.	Public Relation	√	√	√	√	√

Table 18 Process

Following table shows comparative status of Veena World with the competitor of Process in Satara.

Sr.	Process	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
1.	Shake Hand	√	√	√	√	√
2.	Serve Water	√	√	√	√	√
3.	Serve Tea & Coffee	√	√	√	√	√
4.	Travel Information	√	√	√	√	√
5.	Itineraries	√	√	√	√	√
6.	Way of Transport	√	√	√	√	√
7.	Hotel Accommodation	√	√	√	√	√
8.	Planning & Costing Tours	√	√	√	√	√
9.	Ticketing & Receipts	√	√	√	√	√
10.	Foreign Currency & Insurance	√	√	√	√	√
11.	Passport & Visa	√	√	√	√	Only Visa
12.	After Sales Service	√	√	√	√	√
13.	Complimentary Gifts	Caps, Bags	Caps, Bags	Caps, Bags, Visa Files	Caps, Bags, Rubber Band	Caps, Bags, Visa Files

Table 19 People

Following table shows comparative status of Veena World with the competitor of office Staff in Satara.

Sr.	People Management	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
A.	Proper Training	√	√	√	√	√
B.	Educational Background	√	√	√	√	√
C.	Liaison With Customer	√	√	√	√	√
D.	Product Knowledge	30 Years	27 years	30 years	11 Years	31 Years



27 years
 30 years
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	(Since)					
E.	Market Intelligence	√	√	√	√	√
F.	Sales Personnel	√	√	√	√	√
G.	Expertise Speciality	√	√	√	√	√
H.	Tourist Guide	√	√	√	√	√

Table 20 Physical Evidence

Following table shows comparative status of Veena World with the competitor of Physical Evidence in Satara.

Sr.	Type of Physical Evidence	Sathe Tours	Global Holidays	Veena World	Kadam Tours	Kesari Tours
A.	Brochure	√	√	√	√	√
B.	Itineraries	√	√	√	√	√
C.	World Map	√	√	√	√	-
D.	World Continent	√	-	√	√	-
E.	Air Conditioner	√	-	√	-	-
F.	Photos with Famous Personality	√	-	√	-	-
G.	Cleanliness Office	√	√	√	√	√
H.	Layout	√	√	√	√	√
I.	Lift Service	√	-	√	-	-
J.	Public Utilities	-	√	√	-	-
K.	Information regarding Rules & Regulation	√	√	√	√	√
L.	Other (if any 1)	-	Frames Of Famous Destination	World Clock	Photos of Destination	-



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A Study of Online Buying Behavior of Consumers toward Standardized Products

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Abstract:

In today globalized era e-commerce becomes common to all. Techno savvy people adopt e-commerce as it provides various facilities as it save time, save efforts such as waiting in a queue etc. But exactly what kind of products prefer by online buyers is become a matter of issues. As young generation attracts towards that e-commerce, uniqueness of may be one issue or standardized product having low consumers involvement may be prefer by consumers. Researcher selects this paper to find out factors that affect the choice of online products by online buyers. The paper may help to segment market on the basis of types of products to be preferred. Instrument is executed on 796 samples in Satara district, to find out influencing factors. Result of the research indicates that the product generally not available in local and nearby market, consumers like to shop online The Standardized products mostly having low consumers involvement are shopped on-line.

Key Words: Online Buying, Standardized Product, Unique Product, E-Commerce

Introduction:

Globalization brings quick and rapid access of all things around the world. In today's modern era person do not have much time to visit at various showrooms and made shopping. This problem was addressed by E-shopping. It is the concept of electronic shopping means to shop online using internet from anytime, anywhere.

E-shopping means act of purchasing product or services over the internet. Online shopping has grown popularly over the years, mainly because people find it convenient and easy to bargain from the comfort of their place, home or office. An important benefit e-shopping provide is that unlike traditional shopping there is no need to wait in long lines or search from store to store. It is just search of an advertise by Google.

E-commerce, which stands for electronic commerce, refers to the exchange of products and services over an electronic network, such as the phone or the Internet. It refers to a website that accepts credit card payments and sells goods or services directly from the site utilising a shopping cart or shopping basket system online. It entails carrying out business using electronic





media and information technology, including electronic data interchange (EDI). In simple words, electronic commerce involves buying and selling of goods and services over the World Wide Web. Customers can purchase anything at anytime right from a car or a cake sitting comfortably at their location and gift it to someone sitting miles apart just by click of a mouse.

Literature Review:-

A plethora of search scholar studied on the online shopping among national and international level. Adoption of online shopping still observed on nascent stage. The researchers seem to take different perspectives and focus on different factors in different ways.

Researcher has attempted contextual review of articles published in international, national and regional research journals.

Most of these studies have attempted to identify factors influencing or contributing to online shopping attitude and behavior, few of them also focus their attention on demographic difference in online shopping behavior. The researcher seems to take different perspective by different ways viz. (Haq, 2010) Author opine that the perception of online shoppers is independent of their age and gender but dependent of their qualification & gender and income & gender. Further more (Ahasanul Haque, 2006), reported that gender and family income had significant relationship with overall attitude. (Almoussa, 2011)revealed that in 18-25 years age groups, both males and females, use the internet heavily and more adapted to internet shopping. Although this age group does not have higher incomes of their own and is not expected to earn income yet in the Saudi culture, rather, they are mostly dependent on others until they graduate and then participate in the job market.

On contrary (Srikanth Beldona, 2011) didn't observed any significant difference between male and female online buyers. This result is also supported by (Nabil Tamimi, 2004) that gender and frequency of online shopping are independent of each other. Also (Yet Mee Lim, 2010) did not find any statistical significant gender differences in online behaviours and Attitudes.

Again on contrary (Jooyoung Park, 2009), opine that as compare to male females were search more information by visiting more product pages in the online shopping process. Author agrees that female are more interested in clothing and males are more interested in electronics goods category. He also opines that females are more likely to read the reviews on products or services and seeks the help on an assistant's agent for online shopping. Specifically, females consulted





customer reviews and used an assistant agent more often when shopping for experience goods than when shopping for search goods. On the other hands, males showed no significant differences in information search across product categories. This implies that the influence of product characteristics on consumers' information search differs between males and females. A consistent result is also observed by (Arpita Khare, 2011) The male and female students differed in their attitude toward online shopping, utilitarian motives, and purchase intention. Men are likely to perceive online shopping Web sites as convenient, flexible, enabling product, price comparisons, and easy to operate.

(Acilar, 2012), reported that male students have more positive attitudes toward online shopping than female students , consistent result revealed by (Ms. Asmatara Khan, 2012) Among the entire population of internet users, men more than women are inclined to trying the internet for varied reasons.

1.2 Research Problem :

India's economic growth has accelerated significantly from last two decades and it has inflated the spending power of its citizens. With rising incomes, household consumption has increased and a new Indian middle class has emerged. The world is changing very fast. Technosavy people don't have time to waste on shopping. Their trends towards adopting new technologies of shopping were increasing.

Estimate of internet users 'universe' includes those accessing internet on their mobile phone. Users are also profiled as consumers of a variety of product and services. E-shopping now a days provides variety of produce viz. FMCG product, Wearable, Household and kitchen durables, Automobiles, Electronics, Mobiles, and various services.

Changing Attitude towards Online Shopping

Despite the proliferation of "Awareness, Future Demand Emphasis for Developing Markets & Present Problems" malls, individuals still prefer to shop online. Modern consumers are more sensible and able to access the market's options. With the internet, consumers are made aware. Every day, more people are using the internet, which draws in customers who can shop online. It was never anticipated that Indians would use e-commerce in this manner. Ticketing, trip bookings and even books and movies appear fine to buy online. Knowing that in India sizes vary





from brand to brand and quality is inconsistent, even for some of electronic items, how is it that there are people buy these items online? In India there are few segments of people who have not yet tried purchasing over internet.

Hypotheses of the Study:

Standardized product can be defined as the product which produces with the process of setting generally uniform characteristics for a particular good or service. Product standardization among the goods provided by different businesses operating in technology-based industries can be useful for consumers since it permits competition among the various suppliers.¹

A standardized product means a good quality product and branded product, as online buying lacks in physical touch and feel approach. Generally standardized products are more prefer by the consumers hence following parameters are sought to judge the consumers behavior.

1. The Standardized products mostly having low consumers involvement are shopped on-line.

Objectives of the Study:

1. To find out factors influencing purchase decision regarding e-shopping.

Research Methodology:-

The study is conducted in Satara District State of Maharashtra, India. Study limited to the buyers from various locations in Satara district. Samples are selected from 11 taluka places in Satara district vary in numbers. Structured schedules are the instrument for data collection.

Data has processed using MS-Excel and analyzed using SPSS Package. Descriptive analysis, inferential statistics and multivariate statistical tools brought into use.

Data Analysis:

Nature of product prefers to buy online

Standardized Product

Following table shows the agreement of samples towards buying online nature of as a standardized product. Six parameters were asked to option on five point likert type scale. 1 for

1. ¹ Read more: <http://www.businessdictionary.com/definition/product-standardization.html>
-#tzz36h7wLwY





strongly disagree and 5 for strongly agree. The options were analyzed using mean, SD and ranks calculated on mean score as follows.

Table 1
Standardized Product

(n=796)				
Sr.	Standardized Product	Mean	SD	Rank
1	I like to buy popular brands via online shopping.	4.58	0.686	1
2	A popular brand means good quality products.	4.38	0.632	2
3	Internet shopping provides a better quality product.	4.03	0.925	8
4	I would like to pay more for branded product.	3.95	0.995	6
5	It is important for me to buy products/services with popular brand names	4.2	0.797	3
6	If I buy products/services from a web-retailer, I would prefer to buy popular brand name.	4.15	0.777	4

(Source: Field Data)

Table 1 presented above reveals that the samples prefer to purchase standardized product online. Customer involvement is low in case of standardized and branded products; hence samples had given highest preference i.e. 1st rank to buy popular brands with 4.58 mean. A quality is important parameter which makes brand popular is next preferred by samples with 4.38 mean and 2nd ranks. Samples had given 3rd rank to "It is important for me to buy products/services with popular brand names" with 4.2 mean. Remaining parameter having their mean values more than 3.96 it means that samples are agreed to buy standardized or branded products online.

Unique Product

Following table shows the agreement of samples towards buying online nature of as a unique product. Four parameters were asked to option on five point likert type scale. 1 for strongly disagree and 5 for strongly agree. The options were analyzed using mean, SD and ranks calculated on mean score as follows.



Table 2
Unique Product

Sr.	Unique Product	(n=796)		
		Mean	SD	Rank
1	I prefer to buy unique product via online shopping	4.3	0.844	1
2	The product generally not available in local and nearby market, I prefer to shop online.	4.24	0.73	2
3	New arrivals / products are quickly available online	4.16	0.816	3
4	I like to introduce new style	3.82	0.951	4

(Source: Field Data)

Table shows that unique product offered by online retailer attracts most of the samples as that parameter secured 1st rank with 4.30 mean. "The products generally not available in local and nearby market, respondent prefer to shop online," this parameter secured 2nd rank to with 4.24 mean. Respondent believes that new arrivals/ products are quickly available online as it scored 3rd rank with 4.16 mean and parameter 'I am one who tends to introduce new style' secure low rank with 3.82 mean.

Inferential Analysis:

H0: All types of products are shopped online.

H1: The Standardized products mostly having low consumers involvement are shopped on-line. Samples were asked to rate their opinion on statements representing standardized products and unique products. Six statements were representing standardized products and four statements were representing unique products. The opinions were sought on five point scale. The mean score has calculated and the series of mean score of opinions of standardized products and unique products have put to test for test of significance.

Description of type of product shopped online

The nature of product shopped online has been assessed as follows. Two type of products were ask to opine on one is standardized product and another is unique product.



Table: 3
Description of type of product shopped online
 (n=796)

Sr.	Particulars	Mean	N	S.D.	SE Mean
1	Standardized Product	4.210	796	.522	.0185
2	Unique Product	4.13	796	.599	.021

Source: (Field data processed)

Above table shows that the opinion of samples means score for standardized product is 4.2 with standard deviation 0.522 and that of mean score for unique product is 4.13 with standard deviation of 0.599. It has observed that the figures of mean score and standard deviation are almost same.

Type of product shopped online test of significance

Following table shows test of significance regarding opinion of samples towards shopping standardized products and unique products. Paired sample 't' test has used to test the significance.

Table: 4
Type of product shopped online test of significance

Sr	Particulars	Paired Differences					t	df	Sig. (2-tailed)
		Mean	SD	SE Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
1	Standardized Product and Unique Product	0.0887	.6605	.0234	.04281	.1347	3.792	795	.000

Source: (Field data processed)

Above table shows the value of calculated paired 't' is 3.792 with a 'p' value 0.000 the test is significant hence **null hypothesis is rejected and alternative hypothesis is accepted**. The alternative hypothesis is The Standardized products mostly having low consumers involvement





are shopped on-line. In this test the merely opinions of samples towards standardized products has compared with opinions of same samples towards unique products.

Looking at the mean difference value is 0.088 with a standard deviation 0.66 shows proximity of the opinions of samples towards statements related with standardized product and unique product.

Findings:-

1. Customer involvement is low in case of standardized and branded products; hence samples had given highest preference i.e. 1strank to buy popular brands with 4.58 mean. A quality is important parameter which makes brand popular is next preferred by samples with 4.38 mean and 2ndranks. Samples had given 3rdrank to “It is important for me to buy products/services with well-known brand names” with 4.2 mean. (Refer Table No. 1)
2. Unique product offered by online retailer attracts most of the samples as that parameter secured 1st rank with 4.30 mean. “The product generally not available in local and nearby market, Samples like to shop online,” this parameter secured 2ndrank to with 4.24 mean. Samples believes that new arrivals / products are quickly available online as it scored 3rd rank with 4.16
3. It is opined that the opinion of samples means score for standardized product is 4.2 with standard deviation 0.522 and that of mean score for unique product is 4.13 with standard deviation of 0.599. It has observed that the figures of mean score and standard deviation are almost same.
4. It is observed that the value of calculated paired ‘t’ is 3.792 with a ‘p’ value 0.000 the test is significant hence **null hypothesis is rejected and alternative hypothesis is accepted**. The alternative hypothesis is The Standardized products mostly having low consumers involvement are shopped on-line.

References:

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'AVISHKAR 2022-23'

Certificate

This is to certify that Shri/Smt. Dr. S. A. Bhosale
of Yashoda Technical Campus, Satara (YSPM) worked
as **Examiner / Teacher Coordinator / Committee member / Volunteer** in University Level
Avishkar Research Convention, 2022-23. The convention was organized by School of Nanoscience
and Technology, Shivaji University, Kolhapur on **08/12/2022**.


Avishkar Coordinator


Pro-Vice-Chancellor



Approved by MAAC (2011)
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'AVISHKAR 2022-23'

Certificate of Participation

This is to certify that Sri/ Smt. Sheela Laxman Langhi

of MBA YSPM College, Sabara has participated in UG / PG / PPG / TH level

University Avishkar Research Convention, 2022-23 in Engineering & Technology

discipline. The convention was organized by School of Nanoscience and Technology, Shivaji

University, Kolhapur on 08/12/2022.


Avishkar Coordinator


Pro-Vice-Chancellor



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SHIVAJI UNIVERSITY, KOLHAPUR



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'AVISHKAR 2022-23'

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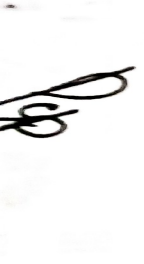
of Yashoda Technical Campus (YSPM) has participated in UG / PG / PPG / TH level

University Avishkar Research Convention, 2022-23 in Humanities, Languages Fine Arts

discipline. The convention was organized by School of Nanoscience and Technology, Shivaji

University, Kolhapur on 08/12/2022.


Avishkar Coordinator


Pro-Vice-Chancellor



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Pro-Vice-Chancellor



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व्याप्त्याचा अर्थ नान्यथा

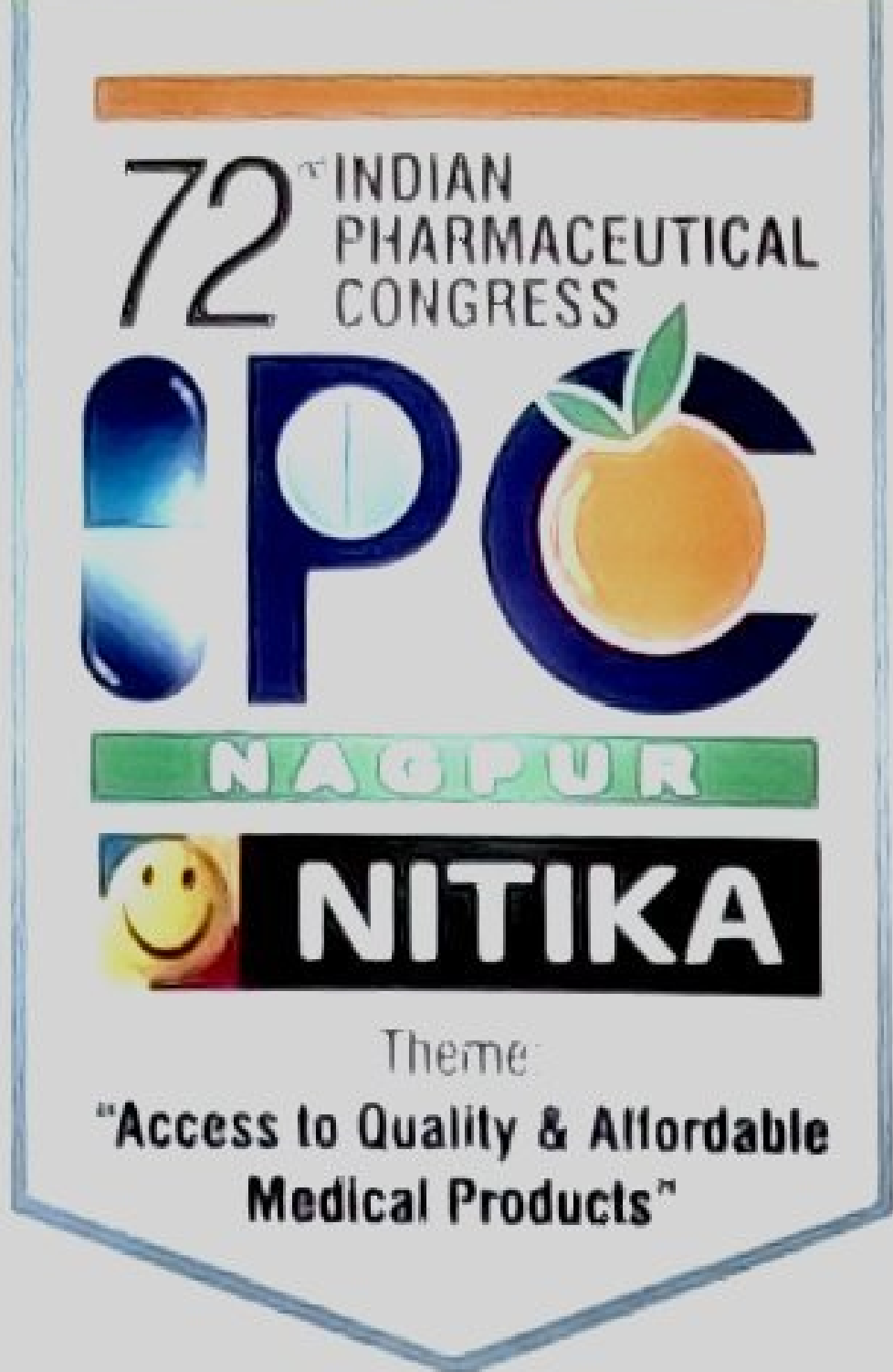
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discipline. The convention was organized by School of Nanoscience and Technology, Shivaji
University, Kolhapur on 08/12/2022.


Avishkar Coordinator


Pro-Vice-Chancellor



72nd Indian Pharmaceutical Congress, Nagpur

Certificate

It is our pleasure to certify that,

INAMDAR SAHIL SAYYAD presented a Poster in Scientific Session entitled **“Design and Development of Diclofenac Sodium Dispersible Tablets Using Ispaghula husk as Disintegrant”** in the 72nd Indian Pharmaceutical Congress held at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur during January 20-22, 2023.

V G S

Dr. V. G. Somani
President, IPCA

Atul Mandlekar

Mr. Atul Mandlekar
Chairman, LOC

Prof. Milind Umekar

Prof. Milind Umekar
Organising Secretary, LOC

Prof. Prakash Shankar

Prof. Prakash Shankar
Organising Secretary, LOC
Yashoda Technical Campus
Satara

Prof. Roop K. Khar

Prof. Roop K. Khar
Convener, IPCA-SSC

Prof. Dadasaheb M. Kokare

Prof. Dadasaheb M. Kokare
Chairman, Scientific Committee, LOC

POSTER



Presentation Code: A-334

72nd Indian Pharmaceutical Congress, Nagpur

January 20-22, 2023



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72nd INDIAN
PHARMACEUTICAL
CONGRESS



NAGPUR



Theme:

"Access to Quality & Affordable
Medical Products"

CERTIFICATE OF PARTICIPATION

It is our pleasure to certify that
HARSHADA JADHAV of YSPM's YTC, Faculty of Pharmacy, Satara
has participated as delegate in the 72nd Indian Pharmaceutical Congress
held at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji
Maharaj Nagpur University, Nagpur January 20-22, 2023.

DELEGATES

Dr. V. G. Somani
President, IPCA

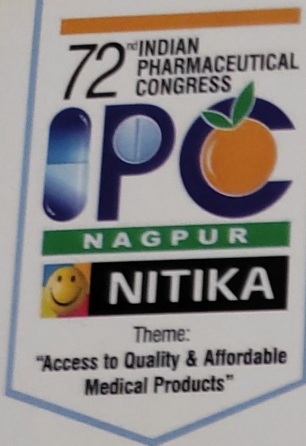
Mr. Atul Mandlekar
Chairman, LOC

Prof. Milind Umekar
Organising Secretary, LOC

Prof. Prakash Itankar
Organising Secretary, LOC



IPC Registration Number: 1164000



72nd Indian Pharmaceutical Congress, Nagpur

Certificate

It is our pleasure to certify that,
HARSHADA HANMANT JADHAV presented a Poster in Scientific Session entitled
“EVALUATION OF ANTIHYPERLIPIDEMIC ACTIVITY OF RED ONION IN EXPERIMENTAL ANIMALS” in the 72nd Indian Pharmaceutical Congress held at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur during January 20-22, 2023.

Dr. V. G. Somani
President, IPCA

Mr. Atul Mandlekar
Chairman, LOC

Prof. Milind Umekar
Organising Secretary, LOC

Prof. Prakash Itankar
Organising Secretary, LOC

Prof. Roop K. Khar
Convener, IPCA-SSC

Prof. Dadasaheb M. Kokare
Chairman, Scientific Committee, LOC

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72nd INDIAN PHARMACEUTICAL CONGRESS



NAGPUR



Theme:

"Access to Quality & Affordable Medical Products"

72nd Indian Pharmaceutical Congress, Nagpur

January 20-22, 2023



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.....**SANKET...KAPSE**.....

has participated as delegate in the 72nd Indian Pharmaceutical Congress held at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur January 20-22, 2023.

Dr. V. G. Somani
President, IPCA

Mr. Atul Mandlekar
Chairman, LOC

Prof. Milind Umekar
Organising Secretary, LOC

Prof. Prakash Itankar
Organising Secretary, LOC



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72nd Indian Pharmaceutical Congress, Nagpur

January 20-22, 2023



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It is our pleasure to certify that
NIKHITA BHOSLE of YSPM's YTC , Faculty of Pharmacy, Satara
has participated as delegate in the 72nd Indian Pharmaceutical Congress
held at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji
Maharaj Nagpur University, Nagpur January 20-22, 2023.



V.G.S.
Dr. V. G. Somani
President, IPCA

Atul Mandlikar
Mr. Atul Mandlikar
Chairman, LOC

Milind Umekar
Prof. Milind Umekar
Organising Secretary, LOC

Prakash Itankar
Prof. Prakash Itankar
Organising Secretary, LOC



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DIRECTOR
Yashoda Technical Campus
Satara



Theme: "Access to Quality & Affordable Medical Products"



72nd Indian Pharmaceutical Congress, Nagpur January 20-22, 2023



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....POONAM... RAUT of YSPM's YTC, Faculty of Pharmacy Satara...
has participated as delegate in the 72nd Indian Pharmaceutical Congress held at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur January 20-22, 2023.

Dr. V. G. Somani
President, IPCA

Mr. Atul Mandlekar
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Prof. Milind Umekar
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Prof. Prakash Itankar
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72nd INDIAN PHARMACEUTICAL CONGRESS



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Theme: "Access to Quality & Affordable Medical Products"



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72nd Indian Pharmaceutical Congress, Nagpur

January 20-22, 2023



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It is our pleasure to certify that
....**VARDA JOSHI** of **YSPM's YTC, Faculty of Pharmacy, Satara**
has participated as delegate in the 72nd Indian Pharmaceutical Congress
held at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji
Maharaj Nagpur University, Nagpur January 20-22, 2023.

Dr. V. G. Somani
President, IPCA

Mr. Atul Mandlekar
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72nd INDIAN PHARMACEUTICAL CONGRESS



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72nd Indian Pharmaceutical Congress, Nagpur

January 20-22, 2023



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Dr. V. G. Somani
President, IPCA

Mr. Atul Mandlekar
Chairman, LOC

Prof. Milind Umekar
Organising Secretary, LOC

Prof. Prakash Itankar
Organising Secretary, LOC

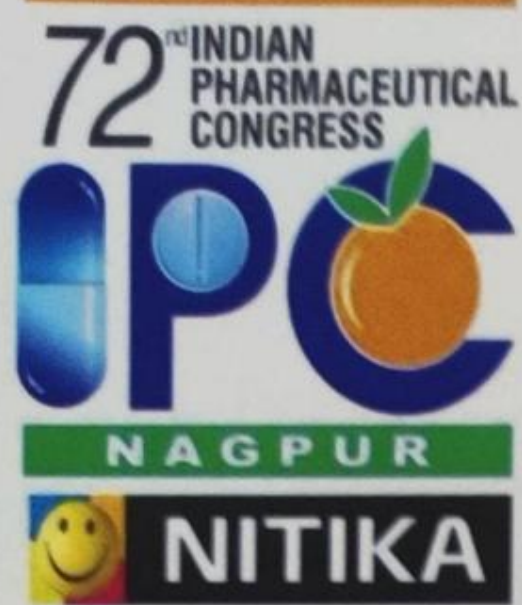


IPC Registration Number: 6220130

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Satara



Theme: "Access to Quality & Affordable Medical Products"



72nd Indian Pharmaceutical Congress, Nagpur

Certificate



POSTER

It is our pleasure to certify that, **PRIYANKA JALANDAR BHOSALE** presented a Poster in Scientific Session entitled "Evaluation of Anxiolytic activity of Azilsartan in Experimental Model of Anxiety." in the 72nd Indian Pharmaceutical Congress held at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur during January 20-22, 2023.

Dr. V. G. Somani
President, IPCA

Mr. Atul Mandlekar
Chairman, LOC

Prof. Milind Umekar
Organising Secretary, LOC

Prof. Prakash Itankar
Organising Secretary, LOC

Prof. Roop K. Khar
Convener, IPCA-SSC

Prof. Dadasaheb M. Kokare
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GPAT DIRECTOR
Yashoda Technical Campus
DISCUSSION CENTER
Satara

Presentation Code: D-484

72nd INDIAN PHARMACEUTICAL CONGRESS



NAGPUR



Theme:

"Access to Quality & Affordable Medical Products"



72nd Indian Pharmaceutical Congress, Nagpur



Certificate

It is our pleasure to certify that,

JOSHI BHAKTI presented a Poster in Scientific Session entitled "**LIPID LOWERING EFFECT OF PIOGLITAZONE AND TERAZOSIN IN EXPERIMENTAL ANIMALS**" in the 72nd Indian Pharmaceutical Congress held at Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur during January 20-22, 2023.

Dr. V. G. Somani
President, IPCA

Mr. Atul Mandlekar
Chairman, LOC

Prof. Milind Umekar
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Prof. Prakash Itankar
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Prof. Roop K. Khar
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Presentation Code: D-195



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Satara



Dr. Babasaheb Ambedkar Technological University, Lonere
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AVISHKAR 2022

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This is to Certify that

Mr./ Miss. Gadkari Viraj Anil

of YSPM'S, Yashoda Technical Campus, Faculty of Pharmacy, Wadhe, Satara.

has participated in Zonal level Avishkar 2022 held at
Sharad Institute of Technology College of Engineering, Yadrav
on 10th December 2022.

Dr. S. V. Khobragade
Coordinator, Avishkar
Dr. Babasaheb Ambedkar Technological University



SAVITRIBAI PHULE PUNE UNIVERSITY

**15th MAHARASHTRA STATE INTER-UNIVERSITY
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Aavishkar 2023

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Prof. Sanjay Dhole
Director, IQAC

Prof. Dr. Sanjeev Sonawane
Pro-Vice Chancellor

Prof. Dr. Karbhari Kale
Vice Chancellor



Dr. Babasaheb Ambedkar Technological University, Lonere
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AVISHKAR 2022

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for securing ~~first~~ / second place in University level Avishkar 2022 held at

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on 24th December 2022.

Category: ~~UG/ PG/ PPG/ Teachers~~

Discipline: ET

Dr. Vilas Pharande
Principal,

Arvind Gavali College of Engineering, Satara

Dr. Gayatri Mirajkar
Coordinator

Mr. Arjun Arun Kadam
Coordinator


Dr. S. V. Khobragade
Coordinator, Avishkar
Dr. Babasaheb Ambedkar Technological University



Dr. Babasaheb Ambedkar Technological University, Lonere
State Technical University, Maharashtra Act No. XXIX of 2014

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of YSPM's, Yashoda Technical Campus, Faculty of Pharmacy, Wadhe, Satara


has participated in University level Avishkar 2022 held at

Arvind Gavali College of Engineering, Satara

on 24th December 2022.

Category: UG/ PG/ PPG/ Teachers

Descipline: ET


Dr. Vilas Pharande
Principal,

Arvind Gavali College of Engineering, Satara


Dr. Gayatri Mirajkar
Coordinator


Mr. Arjun Arun Kadam
Coordinator


Dr. S. V. Khobragade
Coordinator, Avishkar
Dr. Babasaheb Ambedkar Technological University



Dr. B. R. Ambedkar Technological University, Lonere
The Technical University, Maharashtra Act



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Category: ~~UG/ PG/ PPG/ Teachers~~

Discipline: ET



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Principal,

Dr. Gayatri Mirajkar
Coordinator

Mr. Arjun Arun Kadam
Coordinator

Dr. S. V. Khobragade
Coordinator, Avishkar



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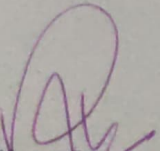
for securing first / ~~second~~ place in University level Avishkar 2022 held at

Arvind Gavali College of Engineering, Satara

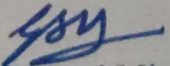
on 24th December 2022.

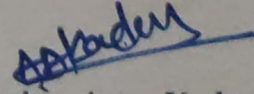
Category: UG/ PG/ PPG/ Teachers

Discipline: AAH


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Principal,

Arvind Gavali College of Engineering, Satara


Dr. Gayatri Mirajkar
Coordinator


Mr. Arjun Arun Kadam
Coordinator


Dr. S. V. Khobragade
Coordinator, Avishkar



SAVITRIBAI PHULE PUNE UNIVERSITY

**15th MAHARASHTRA STATE INTER-UNIVERSITY
RESEARCH CONVENTION**

Aavishkar 2023

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Prof. Sanjay Dhole
Director, IQAC

Prof. Dr. Sanjeev Sonawane
Pro-Vice Chancellor

Prof. Dr. Karbhari Kale
Vice Chancellor



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State Technical University, Maharashtra Act No. XXIX of 2014

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Arvind Gavali College of Engineering, Satara

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Category: UG/ PG/ PPG/ Teachers

Discipline: PS

Dr. Vilas Pharande
Principal,

Arvind Gavali College of Engineering, Satara

Dr. Gayatri Mirajkar
Coordinator

Mr. Arjun Arun Kadam
Coordinator

Dr. S. V. Khobragade
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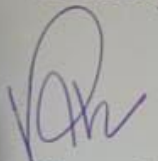
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PUBLICATION OF THE PATENT OFFICE

The Patent Office Journal No. 28/2023 Dated 14/07/2023



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49152

(54) Title of the invention : DESIGN, SYNTHESIS AND EVALUATION OF ANTIMICROBIAL ACTIVITY OF DIMETHYL PYRROLE DERIVATIVES

(51) International classification :A61K 314540, A61P 310400, C07D 051200, C07D 073400, C08G 730600
 (86) International Application No :NA
 Filing Date :NA
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 (61) Patent of Addition to Application Number :NA
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(57) Abstract :

The present invention relates to a synthesis of dimethyl pyrrole derivative. Particularly, the present invention relates to a synthesis of pyrrole derivative, comprising formula III4-methylphenyl (2,5-dimethyl-1H-pyrrol-1-yl)carbamate. This synthesized compound was characterized using different spectroscopic techniques like 1H NMR and FT-IR. This compound was checked for its antimicrobial activity using Agar well diffusion method and it showed excellent antimicrobial activity against Aspergillus niger as test microorganism.

No. of Pages : 9 No. of Claims : 5



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69603

(54) Title of the invention : SYNTHESIS AND CHARACTERIZATION OF TRICYANO BUTADIENE DERIVATIVE AND EVALUATION OF ITS ANTIMICROBIAL ACTIVITY

(51) International classification :G01N0021350000, C12N0009100000, B01J0020260000, C07K0014415000, A61P0031100000
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(57) Abstract :

The present invention relates to a synthesis. Particularly, the present invention relates to a synthesis of tricyano butadiene derivatives, comprising formula III[3-cyano-4-(2,4-dichlorophenyl)-6-(4-fluorophenyl)pyridine2(1H) ylidene]propanedinitrile. These synthesized compound was characterized using different spectroscopic techniques like 1H NMR, 13C NMR and FT-IR. The synthesized compound have excellent antibacterial as well as antifungal activity.

No. of Pages : 10 No. of Claims : 5





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He is currently working as an Assistant professor at Rajarambapu College of Pharmacy, Kasegaon. He has 6 years of academic and 1-year industrial experience. He had worked as a QA officer in one of the leading pharmaceutical industry. He has filled 5 research patents, out of 3 are granted. He has published 5 books, out of 4 are national and 1 book is international. Also published 18 research papers in leading publications like Springer, Elsevier, etc. He is the author of the famous book "pathfinder". He has won several awards like "Best personality award", "Best teacher award". His area of research is Nano formulation, nanotechnology and advanced formulation techniques.



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Green Sustainable Process for Chemical and Environmental Engineering and Science

Biomedical Applications of Green Composites

2023, Pages 131-186

Chapter 6 - Green composites materials as a carrier for pulmonary drug delivery

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Abstract

Green composites are promising carriers in the quickly developing field of drug delivery owing to their eco-friendly nature, multipurpose physicochemical attributes, and distinctive biopharmaceutical advantages. These versatile composites offer unique platforms for drug delivery, diagnosis and theranostic applications. The main objective of the present book chapter is to offer insights into pulmonary applications of green composites. Initially, chapter unfolds the significant background knowledge of green composites, and their key advantages as drug carriers. Besides, chapter reviews the recent advances in inhaled green composites with special emphasis on aerodynamic performance. Moreover, chapter also contains a dedicated segment discussing the current clinical challenges, inhaler device issues, human factors, and scale-up issues allied to pulmonary delivery of green composites. To sum up, this chapter is the first detailed report of inhaled green composites emerges in recent time.

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Keywords

Dry powder inhalers; Green composites; Inhaler devices; Natural polymer; Pulmonary delivery




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51698

(54) Title of the invention : TRANSDERMAL PATCH USING COLLAGEN AS MATRIX & WOUND HEALER IN MANAGEMENT OF BURN & POST OPERATIVE PATIENTS

(51) International classification :A61B 170000, A61K 090000, A61K 097000, A61L 272400, A61P 170200

(86) International Application No :NA
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(87) International Publication No : NA

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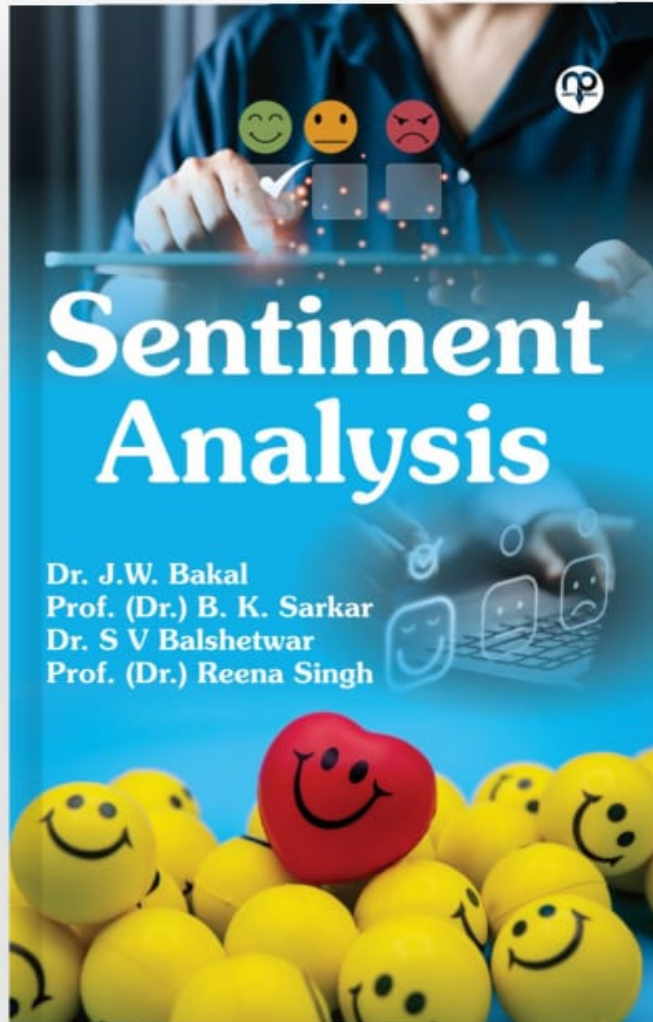
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(57) Abstract :
 The present invention discloses the transdermal patch formulation comprising anti-fungal drug, Ajwain oil and collagen for treatment of fungal infections. The formulated transdermal patch in the presence of collagen aids in treating mild to severe fungal infections. The invention further discloses the method of preparation of the transdermal patch formulation.

No. of Pages : 16 No. of Claims : 9





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Sentiment Analysis




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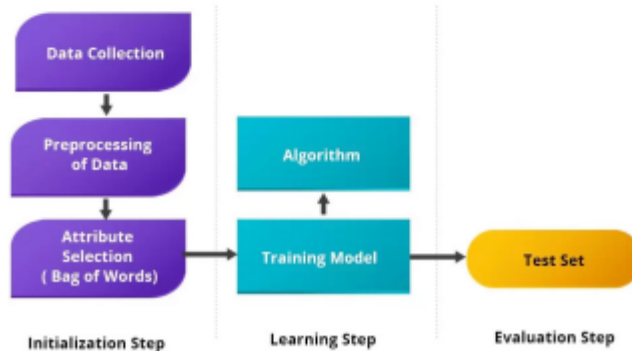
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Sentiment Analysis

Feeling examination or assessment mining is one of the significant assignments of NLP (Normal Language Handling). Feeling examination has gain a lot of consideration as of late. In this paper, we plan to handle the issue of opinion extremity arrangement, which is one of the basic issues of feeling examination.



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Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 13-01 in respect of the application of such design to **FOOTSTEP-POWERED ENERGY GENERATION DEVICE** in the name of 1.Yspm'S Yashoda Technical Campus, Faculty Of Engineering 2. Mr. Arjun Avinash Shivaji 3.Ms. Desai Sayali Shankar 4.Mr. Hakim Mohammadsabir Nasir 5.Mr. Khade Sagar Sanjay 6.Ms. Mane Neha Satish 7.Prof. Ajinkya S Shah.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रवधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि / Date of Issue 17/07/2023



महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
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ORIGINAL
क्रम सं/Serial No.: 143268



INTELLECTUAL PROPERTY INDIA

पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन सं. / Design No.

385925-001

तारीख / Date

10/05/2023

पारस्परिकता तारीख / Reciprocity Date

देश / Country

प्रमाणित किया जाता है कि सलगन प्रति में वर्णित डिजाइन जो

संबंधित है, का पंजीकरण, श्रेणी 15-09 में

प्रमाणित किया जाता है कि सलगन प्रति में वर्णित डिजाइन जो

संबंधित है, का पंजीकरण, श्रेणी 15-09 में

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the number and date given above in class 15-09 in respect of the application of such

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Technical Campus, Faculty Of Engineering 2. Mr. Shaikh Sohel Musa 3.Mr. Tamboli

Huzefa Faruk 4.Mr. Sawant Akshay Uday 5.Mr. Kamble Rohit Sonaji 6.Prof. Borate

Prashant Gajanan.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अन्वये प्रवधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the

Designs Rules, 2001.

आर.के. साठवडे

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सत्यमेव जयते

G.A.R.6
[See Rule 22(1)]
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Docket No 51486

Date/Time 2023/06/28 20:24:44

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621306, Tiruchirapalli, Tamilnadu
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Sr. No.	App. Number	Ref. No./Application No.	Amount Paid	C.B.R. No.	Form Name	Fee Payment	Remarks
1	202321043539	TEMPE-1/50153/2023-MUM	1600	27054	FORM 1	Full	IOT BASED SMART METERING FOR HOME AUTOMATION
2	E-12/2387/2023/MUM	202321043539	2500	27054	FORM 9	Full	

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
N-0001172521	Online Bank Transfer	2806230055930	4100.00	1475001020000001

Total Amount : ₹ 4100.00

Amount in Words: Rupees Four Thousand One Hundred Only

Received from N.Subramanian the sum of ₹ 4100.00 on account of Payment of fee for above mentioned Application/Forms.

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FORM 2

THE PATENTS ACT, 1970

[39 of 1970]

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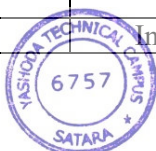
THE PATENTS RULES, 2003

COMPLETE SPECIFICATION

[See section 10 and rule 13]

“IOT BASED SMART METERING FOR HOME AUTOMATION”

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PREAMBLE OF THE DESCRIPTION

The following specification particularly describes the invention and the manner in which it is to be performed.



[Signature]
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(54) Title of the invention : HOME POWER GENERATION USING COMBINATION OF SOLAR PANEL AND WIND MILL

(51) International classification :H02J0003380000, H02S0010120000, F03D0009000000, E04D0013000000, H02S0020300000
 (86) International Application No :NA
 Filing Date :NA
 (87) International Publication No :NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

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(57) Abstract :
 ABSTRACT Home power generation using combination of solar panel and wind mill This paper aims to explore the potential benefits of the combination of photovoltaic (PV) panels and wind turbines for home power generation. Specifically, the costs of installing such a system are considered, with a focus on the possible economic benefits for residential customers. Additionally, a review of recent research is conducted to identify the key efficiency, capacity, and reliability issues related to PV/wind systems. The main findings from this research show that with the right combination of PV/wind, a household could save an average of 43% off their electricity bill. The cost of such a system appears to be roughly on par with traditional rooftop solar, but solar/wind systems are likely to perform better in areas with high electricity rates. Furthermore, solar/wind installations can become more cost-effective where summer peak loads are high and utilities offer time-of-use tariffs. Lastly, the combination of PV and wind provides a higher level reliability and capacity than traditional rooftop solar. Despite the numerous benefits, PV/wind systems are subject to a number of challenges, notably related to cost, maintenance, and local weather/conditions. This paper highlights these challenges, but ultimately finds that for the right circumstances, a PV/wind installation can offer significant economic and environmental benefits for residential customers.

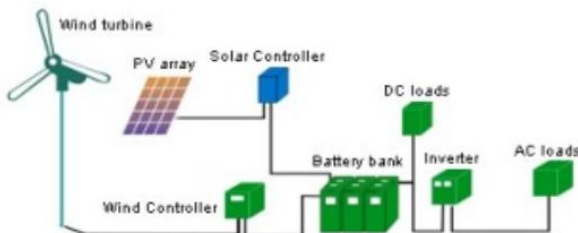


Fig.1: Proposed innovation model

No. of Pages : 11 No. of Claims : 8



(54) Title of the invention : Selection of Optimal location and capacity of EV charging station

(51) International classification :G06Q0010060000, B60L0053300000, B60L0053630000, G01C0021340000, H02J0007000000

(86) International Application No :PCT//
 Filing Date :01/01/1900

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
 Filing Date :NA

(62) Divisional to Application Number :NA
 Filing Date :NA

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11)Digvijay B Kanase
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(57) Abstract :

ABSTRACT Selection of Optimal location and capacity of EV charging station The deployment of Electric Vehicle (EV) charging stations across cities is of increasing importance in order to create a more sustainable mode of transportation. The selection of the optimal location and capacity of the charging stations is a major concern for the EV industry. Different decision-making approaches have emerged in the past to effectively address this problem, and the Data Envelopment Analysis (DEA) is among the most promising ones. DEA is a non-parametric approach which incorporates performance measures to determine the best solution. It has shown to effectively identify the best allocation of resources via its efficiency scores in order to determine the optimal location and capacity of the EV charging stations. Moreover, DEA can be manual or automated, allowing the user to select the exact specifications of the problem based on their requirements. This paper aims to discuss the selection of optimal location and capacity of EV charging stations using DEA.

No. of Pages : 14 No. of Claims : 10



vebo
 DIRECTOR
 Yashoda Technical Campus
 Satara



ORIGINAL

मूल/No : 130340



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GOVERNMENT OF INDIA
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THE PATENT OFFICE

डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 352741-001
तारीख / Date : 08/11/2021
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **PORTABLE MEAT CHOPPING MACHINE** से संबंधित है, का पंजीकरण, श्रेणी **31-00** में 1.Mr. Najmuddin Moulaali Jamadar 2. Dr. Imran Moulaali Jamadar 3.Mr. Shrihari Dilip Khatawkar 4.Mr. Manoj Namdeo Rathod 5.Mrs. Neha Sangram Patil 6.Mrs. Suhani Najmuddin Jamadar के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

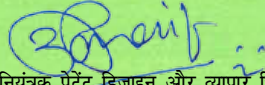
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **31-00** in respect of the application of such design to **PORTABLE MEAT CHOPPING MACHINE** in the name of 1.Mr. Najmuddin Moulaali Jamadar 2. Dr. Imran Moulaali Jamadar 3.Mr. Shrihari Dilip Khatawkar 4.Mr. Manoj Namdeo Rathod 5.Mrs. Neha Sangram Patil 6.Mrs. Suhani Najmuddin Jamadar.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

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GEOGRAPHICAL INDICATIONS

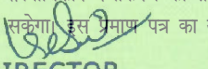
निर्गमन की तारीख/Date of Issue : 07/03/2023


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*The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended to a further five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.




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सत्यमेव जयते

G.A.R.6
[See Rule 22(1)]
RECEIPT



Date/Time 21/06/2023

To
 T Sahila

User Code: Sahila

20-20 D, Main Road Kinnikannan Vilai
 Agasteeswaram Post Kanyakumari

User Name: T Sahila

CBR Detail:

Sr. No.	Ref. No./Application No.	App. Number	Amount Paid	C.B.R. No.	Form Name	Remarks
1	388721-001		1000	207705	FORM 1	Solar Robot system
2	388722-001		1000	207705	FORM 1	Solar Charging station for Electric Vehicles
3	388723-001		1000	207705	FORM 1	Blood Cancer Detection Device
4	388724-001		1000	207705	FORM 1	WIRELESS MESSENGER
5	388725-001		1000	207705	FORM 1	Automatic Guided vehicles
6	388726-001		1000	207705	FORM 1	E-WASTE DISCARDER
7	388727-001		1000	207705	FORM 1	VEHICLE SECURITY SYSTEM

TransactionID	Payment Mode	Challan Identification Number	Amount Paid	Head of A/C No
D-0000059513	Online Bank Transfer	2106230002115	7000.00	1475001020000001

Total Amount : ₹ 7000

Amount in Words: Rupees Seven Thousand Only

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Design Application Details

Application Number:

388722-001

Cbr Number:

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Cbr Date:

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Applicant Name:

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6. Prof. THAKUR PRANAV KUMAR GAUTAM 7. SIMERPREET SINGH
8. Dr. V.KANNAN

Design Application Status

Application Status:

Examination Report has been Generated ,Online Reply Document Recived(FER generated on 17/08/2023)

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Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

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Intellectual
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Certificate of Registration for a UK Design

Design number: 6316346

Grant date: 09 October 2023

Registration date: 30 September 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Mr. Kundavaram Raju, Dr. Nidhi Dubey, Dr.Kolanpaka Blessi Priyanka, Mrs. Devi

Kadirvel, Mr. Sadiqul Alam, Mrs.Deepti Nilesh Maske, Mr. Ankit Diwan,

Mrs.Priyanka Ashish Bhongale, Dr. Amit Gangwal, Mr. Ashish Sanjay Bhongale

in respect of the application of such design to:

Digital Ultrasonic Homogenizer Used for Isolation of DNA & RNA Protein

International Design Classification:

Version: 14-2023

Class: 24 MEDICAL AND LABORATORY EQUIPMENT

Subclass: 01 APPARATUS AND EQUIPMENT FOR DOCTORS, HOSPITALS
AND LABORATORIES

Adam Williams

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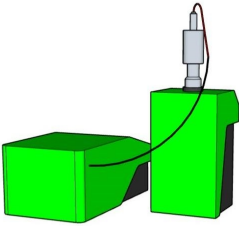
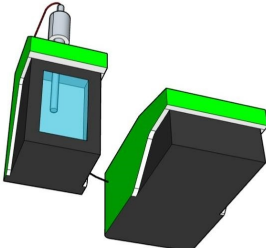
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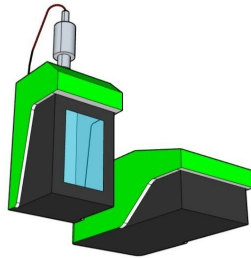
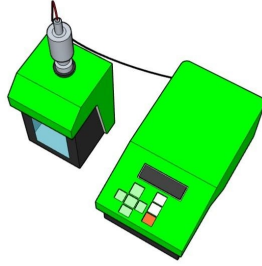


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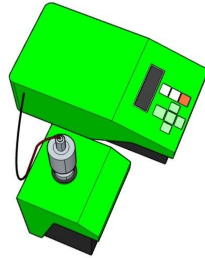
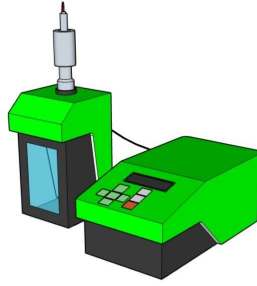
Representation of Designs



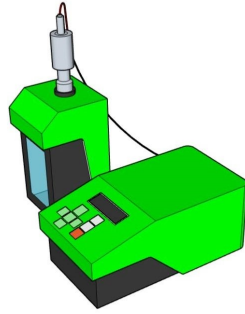

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डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 379329-001
तारीख / Date : 15/02/2023
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **WASTE MANAGEMENT SYSTEM** से संबंधित है, का पंजीकरण, श्रेणी **09-09** में 1.Yspm'S Yashoda Technical Campus 2. Mr. Huzefa Ajamuddin Momin 3.Prof. H.O.Tapase के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

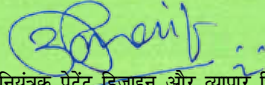
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **09-09** in respect of the application of such design to **WASTE MANAGEMENT SYSTEM** in the name of 1.Yspm'S Yashoda Technical Campus 2. Mr. Huzefa Ajamuddin Momin 3.Prof. H.O.Tapase.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

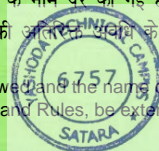
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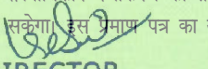
निर्गमन की तारीख/Date of Issue : 26/04/2023


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**OFFICIAL JOURNAL
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निर्गमन सं. 42/2023
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FRIDAY

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(57) Abstract :

An emulgel composition for topical management of rheumatism. Further invention relates to emulgel composition comprising aceclofenac and other pharmaceutical acceptable excipients. Another invention relates to process for preparation of Aceclofenac emulgel. The emulgel composition is useful in management of rheumatism.

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(ICIRTES-2023)

10th and 11th June



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A Review on AI based Restaurant Management System

Mr. Abhishek Korde¹, Ms. Aditi Loni², Ms. Vaibhavi Deshpande³,
Ms. Dhanashri Rajput⁴, Ms. Rutuja Chavan⁵, Mrs. Dr. S. V. Balshetwar⁶.

^{1,2,3,4,5}UG Student, Computer Science & Engineering,

Yashoda Technical Campus, Satara, Maharashtra, (India)

⁶Associate Professor, Head of Department, Computer Science & Engineering,

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Abstract

Food industry being 7th largest industry, we are developing an website where a user can view number of Cafe's & Restaurants, Monitor bookings, pre-decor for celebrations, order food, get mapped to that location and other various activities all under one platform-“Online Table Reservation System”. It is a web application which consists of four interfaces viz. Admin, User, Order & Table booking, and Payment gateway. User first needs to sign up and then log in to access booking and ordering. They have also added in gallery to excite our users. Technologies used in project are Machine Learning for Recommendation System, Web Development, Android Development, Etc.

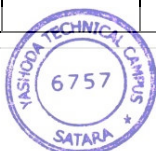
Keywords: AI chatbot, Food Industry, Machine Learning, Online Reservation, Web Application.

1. Introduction:

There has been vast growth in the Food Industry with help of leading technologies. The Hotel industry is one of the growing sectors of world. This system is generally made for Time saving purpose. Pre Booking Table and ordering food is main objective of this system. When it comes to food and dining, people always look for quality and variety of food and restaurants. In traditional booking customer used to make a phone call and paper work to book table. But with this system, user can make his order within minutes on his finger tips. This system not only saves time but also gives chance to explore several café/restaurants in town with online as well offline payment methods. Customer feedback is must so; this system also has feedback section where people can give there review on food and experience.

1.1. Literature Survey:

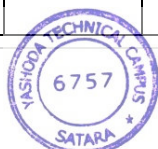
1	Restaurant table	2018	Shaziaiaz, reservation system using Ammanisar.	The Key of paper was to allow the management administration and employees of restaurant to grip the customers to place their orders and to find free tables. According to their required
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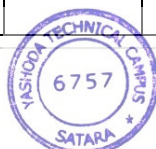


				android mobile No. of seats. RTRSMA app will enable the user to access and manage the arrangement of the tables and foods. The general objective of RTRSMA was to build up reservation system for table reservations to assist workers with solving basic issue with menu reservation system.
2	Design and implement an online restaurant reservation system	2018	Acheampong Samuel	As stated earlier, customers basically order food or reserve tables by means of their PCs, mobile devices as well as other portable devices such as Tablets. Customers order food using computers via browsers like Mozilla Firefox or via custom apps. This basically is the main trend with regards to food Ordering and table reservation in the restaurant industry. In spite of consumer demand, restaurants' use of technology remains in its infancy hence, the use of technology in the restaurant industry is expected to gain dominance and recognition in the future.
3	Digital table booking and food ordering system using android application	2014	Surabhi Thakar, Prajakta Kulkarni, Rasika Thorat.	In This paper, some form of static menu is utilized to convey the available food and beverage choices to customers. Said menus are generally photo based and hence impose restrictions on the textual real estate available and the ability is saturator has to update them. This application specifies the requirements for a restaurant digital menu and ordering replacement strategy to alleviate the problems associated with the current archaic method. Three related concepts are encompassed by the general scope of the Restaurant Menu and Ordering System. The first pertains to their placement of photo menus using an electronic format, the second relates and the third surrounds the process of transferring said



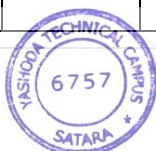


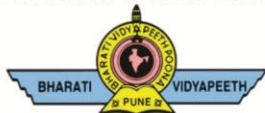
				electronic orders to the kitchen for preparation.
4	Restaurant Table Reservation System Using Android Mobile Application(RTRSMA)	2018	Hafiza Mahrukh Shahzadi, Ms.Shazia Riaz, Ms.Amna Nisar	The project has concluded that if a customer is willing to visit the restaurant and he finds no table is available for the dinner/lunch then he/she has to wait long for the table availability. With the help of this app user can choice the table's location according to their need and willing e.g. Table can be reserved as according to number of visitors. Moreover, you can easily book the hall for a celebration party or any mega event and can see pictures of interior from the App. Keeping in view the demand of proposed project that gives a series of services and provides the customer to easily book hall or to reserves their available table without waiting through an android app. In this particular project we have resolved issues being faced by Quilim restaurant located in Faisalabad by developing app named as, Quilim APP" that can be downloaded and then just update his/her selfdata and can have access to latest news and menu with the restaurant. This app will get its importance as now days more and more people are getting into android and fast life.
5	Digital Food Ordering System using Android for Mess	2019	Pandhare Sonalil, Shrike Priyanka, Swami Megha, Takawane Pratima.	This application developing an online mess service booking system based on user's location where users are able to sort messes according to their requirement. This system is to increase efficiency and reduce human errors and provide high quality services. By using this system, this will avoid long queues at the counter due to the speed of execution. This system is time-saving. The customer meal service android application can handle the billing hence it is the modern way to grow up the business using E-commerce. A system is able to stand out from





				<p>competitors in the food service industry. Here the user is permitted to rate their favorite mess and give feedback to improve and encourage their experiences with mess providers. Therefore, the conclusion of the proposed system is based on customer's requirement. The wide range of people can use this system if they know how to operate the android Smartphone. The scope of the proposed system is justifiable because in large amount peoples are shifting to many cities so a wide range of people can use this system.</p>
6	Automated Restaurant Management System	2016	Aman Jain, Snehal Chauhan, Anish Hirlekar, Suraj Sarange.	<p>Automated Restaurant Management System will work as a link between man machine to provide optimum quick and effective and almost effortless services to the hotel and hospitality industry. It is a low power system which will not only reduce man power required but also reduce the possibility of human errors. It is cost effective as it involves one time investment. The maintenance cost will be considerably low as compared to the salary of the waiters. Automated Restaurant Management System will revolutionize the hotel industry.</p>
7	Design and Implementation of Digital Dining in Restaurants using Android	2014	Shobhit Goyal , Meenu Bhati	<p>In this paper, we present an automated food ordering system with-real time customer feedback (AOSRTF).This system is convenient, effective and easy thereby improving the performance of restaurant's staff. It will also provide quality of service and customer satisfaction. Overall conclusion is that, this is a fabulous food ordering system for the restaurant sector, made by combining the Android and Wireless technology.</p>





8	A Review Paper on Online Restaurant Management System	2017	Prof. N. M. Yawale, Prof. N. V. Pardakhe, Prof. M. A. Deshmukh, Prof. N.A. Deshmukh	Here the need for tablet food ordering is analyzed and its advantages over the traditional food ordering system in restaurants are studied. The proposed online restaurant management system is time saving and error free as compared to the traditional system. This system attracts customers and also adds the efficiency of maintaining the restaurant's ordering and billing. Hence it is the modern way to grow up the business using E-commerce. Here implementation of an advanced e-restaurant menu ordering system using smart android mobile Phone. This system entirely reduces the unnecessary time. Every order is associated with an individual seat at the table, and orders are built one customer at a time, just like on paper, but with greater accuracy. Items can also easily be shared by the whole table, moved or modified, and noted and the cost can be calculated in real time. The idea of the advanced e-restaurant can also be extended for future using GPRS module. GPRS module can be used to monitor and request of the menu order from table will be directly sent to the predefined web link for process of even billing the items purchased.
9	Table booking and restaurant management system using android application (OPSS)	2020	B. Naveen Kumar, B. Sai Varun	To conclude that this restaurant management android application is implemented to reduce the manual process for both customer and management of the restaurant and to make the work look professionally. The manual system which were used in the past are do not serve the customer in the best possible way and the data can be edited but the new proposed application will have correct records of data and have no authority to edit or manipulate the data.

1.3. Literature Survey:

As stated in (1), Customers do have lot of expectations while handling and booking things online. This app will provide vast variety of facility from parking slots o payment, the main aim of this app is to provide customer ease and less timeconsuming reservation. By storing the contact details of customers, they will give alerts regarding discounts, offers and occasions, etc. Visitor will be able to make their own choice about food, table, and place and also inform about guests expected.



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(2) The potential of technological advantages generated out of the implementation of artificial intelligence (AI) and robotics in hotel operation are considered closely by the industry players (Reis et al., 2020). The impactful implementation of AI and robotics in hotel operations has been studied by several researchers (Tussyadiah, 2020). The implementation of these two technologies can help in the protection of the guests and the service personnel. Some of the early adopters of these technologies are situated in some of the technologically advanced countries like Japan, (Reis et al., 2020). Japan has produced the fully automatic hotel run by robots named Henn-na, (Fusté-Forné& Jamal, 2021; Tung & Law, 2017). The other technologically advanced countries like Taiwan have been intensifying their hotel operations with the help of robotics.

(3) In this proposed system, user has to order or book table through the app, and has to pay 50 percent of order in advance as a confirmation. This app helps people to explore various restaurants and food dishes on finger tips. Customer can also cancel the booking and get refund if failed to arrive. The project is based on Android application.

(4) To conclude that this restaurant management android application is implemented to reduce the manual process for both customer and management of the restaurant and to make the work look professionally. The manual system which were used in the past are do not serve the customer in the best possible way and the data can be edited but the new proposed application will have correct records of data and have no authority to edit or manipulate the data.

(5) As discussed, this provides facility customers to reserve tables for dining, and can also get details of hall availability for reservation of party and celebration. Also this will allow the hotel manager to manage the services, feedback and make changes in menu. The main motto of this system is to provide hall for celebrations and parties. This application will have two main module application one for user customers and other for hotel admin.

(6) As the information technology is taking lead, the internet usage is vastly increased and people have become 'mobiholic'. Earlier, people used to visit the restaurant and then order table, but now it's made online. The primary aim of the mobile based customer care service is for reservation, table management and customer management software for restaurants through web. This web application is based on Apache Web Server and uses MySQL for backend. PHP as Web Programming language.

(7) The purpose of this project was to manage the crowd and eliminate the problem of waiting time. This system helps customer to book food from home itself without have to wait for long hours and system itself tells with help of time – series also informs the available table at time. Also, this system notifies customer if any delay. And also manage large number of public.




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(8) The technologies used here are web development by using Java, MySQL. They have also made use of JSP technology in system. The objective of this project was to build a system that can overcome problem of Low-quality delivery and old manual / paper reservation systems.

(9) Online reservation system companies configure the information technology aspect of managing reservations and a way to market your restaurant out to the public. They are not just a place to book a reservation, but a search database for potential guests to find the right restaurant for the occasion, in right location, and right time. Every person performs some information search prior to a purchase. Consumers acquire information as a way of reducing the risk in the event of uncertainty regarding the outcome of an action. A complete information search will greatly lessen the consumer's difference between external and internal information (Locander& Herrmann 1979). By reducing the risk, the consumer will generally increase their satisfaction, which is the primary goal of every consumer.

(10) Discussion of restaurant management mainly focuses on price management and meal duration management (Kimes, 1999). For price management, restaurants can use price setting or promotion discounts to shift excess demand from peak periods to elsewhere and thus serve more customers overall. In Susskind, Reynolds, and Tsuchiya's survey(2004), p. 284 out of 367 respondents indicate willingness to transfer to off-peak periods for dinner if incentives are provided. Such moves can help relieve long waiting at peak time and bring extra revenue at off-peak. These studies indicate that directing customer segments to different dining periods to generate higher revenue is feasible.

1.4. Conclusion:

The purpose of the wireless restaurant management system is to improve worker efficiency and to maximize profit margin of restaurant owners by providing better service. Providing prompt response to customers through use of a System and data collection by the Main Dispatcher will allow this to happen. This project proved to be a larger task than expected due to lack of manpower and late arriving parts. Certain functionality also had to be abandoned to meet time constraints. The System is not designed to replace the existing ordering systems which are at many restaurants but to complement it. Once the Restaurant Management System becomes further refined with the ideas discussed in the previous section, it will pose to be an indispensable tool.

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REVIEW ON SORTING TECHNIQUES VISUALIZER

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Aishwarya Anand Kumbhar⁴, Rutuja Arjun Mane⁵

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ABSTRACT

The purpose behind this project is to study how to perform different operations of sorting algorithm of data structure so student can easily learn various types of algorithm through an graphical view it will make a data structure learning more interesting. Data Structure design and analysis of the algorithm is big challenge for both computer and Science Students. Implementation of this project to make clear understanding of various algorithm of data structure such as an Bubble sort, Insertion sort, Selection Sort and so on .The various tools is used for the study are case analysis of sorting algorithm such as best case average case.

Keywords - Analysis of Sorting Algorithm, Selection Sorting Algorithm Visualization, Sorting Visualizer, Visualization of Sorting Technique, Visualizing Sorting Algorithm.

I. INTRODUCTION

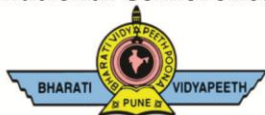
Data structure and algorithms (DSA) is important field of Computer Science and Engineering. Data structure related concepts are complicated to understand for learners so this project performs visualization of algorithms. It helpful for students to understand that how actually sorting methods work. Methods are like Bubble sort, Selection sort, Insertion sort, Merge sort and so on. In visualization data can be represented by Bar graph. Animation tool shows sorted data and unsorted data with different colors. Colors change after sorting techniques. This platform helps to improve theoretical concept regarding Data structure and algorithm.

LITERATURE SURVEY

Sr. No.	Paper	Year	Author	Review



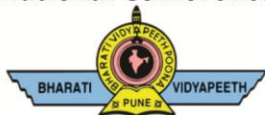

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1.	A system for algorithms' animation	1999	D. Merlini, S. Petruzzi, R. Sprugnoli and M. C. Verri	Data structure related complicated concepts are difficult to understand for student. So, visualization technique helps teacher to teach them very easily. Sorting algorithm show user input data through animation. This tool shows sorted data and unsorted data with different color. It helps student to understand, how data can be sorted dynamically.
2.	AVE: A Dynamic Algorithm Visualization Environment for Novice Learners	2008	E. Vrachnos and A. Jimoyiannis	Sorting algorithm represent sorted array through animation. This tool shows sorted data and unsorted data with different color. It helps student to see how sorting function actually work to sort data at backend
3.	Sorting Algorithm visualizer	2022	Thakkar, Kavita, S. Dashand S. K. Joshi	It is E-learning platform which helps to improve theoretical concept regarding Data structureand algorithm. Data can be represented by Bar graph, and then sorting algorithmmay be apply on that.In Sorting Visualizer, take input data from user and show that data as bar graph. Then choose animation tool and after that algorithm can be apply on it.
4.	Algorithm Visualizer: features and working	Its 2021	Goswami, A. Dhar, A. Gupta and A. Gupta	Some learners can't understand theory with clarity. From this work student can visualize several algorithms and learn new concepts. This visualizer is easy to operate and implement. It contains stepwise representation of visualization of algorithm which makes it easy to understand.



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5.	Creating Engaging Online Learning Material with the JSAVJavaScript Algorithm Visualization Library	2016	V. Karavirta C.A.Shaffer and	DSA is complicated to learn for most of the students. Learners can improve their DSA topics with JavaScript Algorithm Visualization. In this contain JavaScript Algorithm Visualization library. This library helps to visualize data structures algorithms. Learners can see previous step of visualization with actual current step.
6.	Visualizing Sequence Of Algorithms For Searching and Sorting	2009	Bremananth R.,Radhika V.ThenmozhiS.	Visualizing sequence of algorithm for searching and sorting in this paper. It help to understand how perform the sorting method in easy way. The main pros of algorithm visualization is acquire the knowledge through performing with set of data, technique of manage time and use of memory. It shows nine type of sorting algorithm form this one of animation system is BALS(A Brown Algorithm and animator).
7.	Interactive visualization of high dimensional marketing data	2015	Alfa Yohannis Yulius Prabowo	Interactive visualization, it is used to associate all types of variable and also describe visualization of huge amount of data for financial organization. We use matrix visualization as a selection tool, its simple for find the data. The clients select data of selected variable and start analysis by using 5 variable. Using this we give good customer behavior knowledge.



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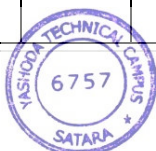


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8.	Sorting visualization using ViSA (visualization of sorting algorithm)	2012	Tihomir Orehovački	In this paper, ViSA (Visualization of sorting algorithm) it describe a tool and different type of technique for visualization of algorithm. The ViSA is simple and self operating visualization system, it explain and compare step by step every sorting algorithm which is more useful to every educational student for analyze the sorting algorithm also for faculty member for teaching.
9.	Sort Attack: Visualization and Gamification of Sorting Algorithm Learning	2015	Alfa Yohannis, Yulius Prabowo	Sorting algorithm is perform fundamental role in the field of computer science, which are not understandable to everyone to defeat this problem it has been moving toward the game visualization. The combining algorithm gaming tool and instructional or graphical design isan minor task, so it require attentive design, because of that it developed conceptual model for learning instruction and Improve visualization learning.
10.	Comparative of Advanced Sorting Algorithms Based on Time and Memory Usage	2021	MarcellinoMarcellino, Davin William Pratama Kristien Margi	In this paper, it compare different type of advance sorting algorithm such as Quick sort, Heap sort, Merge sort, insertion sort. A algorithm compare on the bases of time and memory require to perform data sorting. Applications write using VS code and satisfy using python language. In this it show introspective sort good at



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				time and heap sort is good for memory.
11.	Analysis of Algorithm Visualizer to Enhance Academic Learning	2022	G. Prabhakar, S. Gaur, L. Deshwal and P.Jain	This displays how algorithms work in graphical way. Analysis of algorithm used to improve quality of education. It is better way for students to grasp the knowledge of data structure and algorithms. In this contain download visualizer button. After clicking this button we can perform it on offline in our personal computers (PCs).
12.	Visualize and Learn Sorting Algorithms in Data Structure Subjecting a Game- based Learning	2022	W. H. Lim, Y. Cai, D. Yao and Q. Cao	Game based learning is important role in sorting visualization. Teacher teach them student through experiment of game playing, to clear the concept of students very easily. Student can grasp the working of data structure and time complexity of that algorithm in experimental way.
13.	Algorithm Visualization Environments: Degree of interactivity as an influence on student-learning	2020	P.Rozalia Osztián, Z. Káta and E. Osztián	Sorting visualization is e-learning platform, to improve learning environment through visualization of sorting algorithm. It improve the additional feature of online learning such as notes, data structure related material etc through visualization



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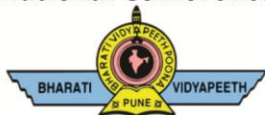
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14.	AI CoLab: Architecture Of Algorithm Visualization System	2008	C. Foutsitzis and S. Demetriadis	This system is related to education system. The purpose of this system is to enhance learning. This visualization increases better understanding of algorithms.
15.	A New Network Topology Visualization Algorithm	2011	Y. Guozheng, L. Yuliang and C. Huixian	In this paper contain network topology Visualization. It shows different network topology visualization algorithm. There are two policies. First layer contain network characters and second layer contain dynamic layout process.
16.	Experimental study on the five sort algorithms	2011	You Yang, Ping Yu and Yan Gan	In this there are five sorting algorithms used such bubble sort, select sort, insertion sort, merge and quick sort. Along with this time complexities summarized here. Five sort algorithms were selected to do the experiments. Because of that there were many variations of these algorithms, therefore the algorithms defined firstly in the beginning section, then the performances of the algorithms given by experiments in the next section.
17.	A new modified sorting algorithm: A comparison with state of the art	2017	F. Idrizi, A. Rustemi and F. Dalipi	Here analysis and comparison between the state of sorting algorithm done, based on their analogical functionalities, as well here they give descriptions of modified algorithm and finally give conclusions about the performance.



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18.	Super Sort Sorting Algorithm	2018	Y. Gugale	The super sort sorting algorithm proposed in this paper is based on the principle of selecting the sequence of already sorted elements in a given unsorted list. It is a sequence of sorted elements in an array of random numbers so as to reduce the number of steps needed to sort.
19.	Design Patterns for Sorting Algorithms	2019	J. A. Rosiene and C. P. Rosiene	Here teaching of algorithms done by design patterns rather than only implementation here student can explore new realization.
20.	Mid-Point Sorting Algorithm: A New Way to Sort	2022	A. Garg, V. Patel and D. Mishra	This paper presents a new sorting algorithm that takes into account the mid-point of the unsorted array and checks for its neighbors in every iteration

II. CONCLUSION

It is teaching support application which visualizes the most known sorting algorithms. User run sorting algorithm by giving custom array. We tried to create high-quality software with a user-friendly and easy-to-use interface, which could be used by lecturers, tutors, and students. Possible next improvement of the applications is extension it by other algorithms.

III. ACKNOWLEDGEMENT

IV. We take this opportunity to express our deep sense of gratitude to our guide, Dr.S.V.Balshetwar Head of Computer Engineering Department, for her continuous guidance and encouragement during this study.

Without her valuable suggestion and encouragement this would not have been possible.

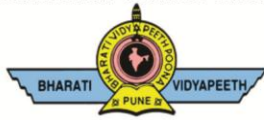
We find our self spellbound to acknowledge thanks to our Father and Mother for their silent support, patience, encouragement and affection without which this work would never have been possible

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कळावे.

Ramulakar
आपला विश्वासू

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APPLICANT NAME	1 . Dr. Girija Gireesh Chiddarwar 2 . Dr. Bharati Pavan Vasgi 3 . Dr. Araddhana Arvind Deshmukh 4 . Dr. Sangita Maheshwar Jaybhaye 5 . Dr. Sarita Vitthal Balshetwar 6 . Dr. Phani Kumar Singamsetty
TITLE OF INVENTION	CONTENT-BASED IMAGE RETRIEVAL SHAPE FEATURES USING DEEP LEARNING
FIELD OF INVENTION	COMPUTER SCIENCE
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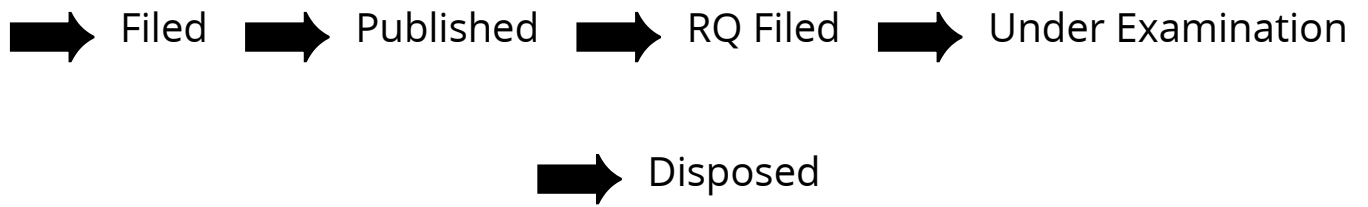
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(54) Title of the invention : NANOEMULSION GEL OF BRUCINE IN THE TREATMENT OF RHEUMATOID ARTHRITIS

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(57) Abstract :
 The present invention relates to Nanoemulsion gel composition comprising brucine and other pharmaceutical acceptable excipients. The present invention further relates to extracts which are isolated from different parts of nux vomica seeds, the preparation of such extracts, the medicaments containing said extracts, and the use of these extracts and constituents for the preparation of a medicament. The present invention also relates to the process for preparing the topical formulation of brucine.

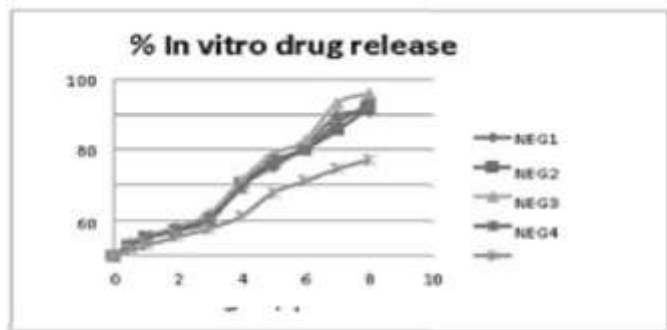


Fig no 1: In -vitro drug release

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TITLE OF INVENTION	PREDICT WHETHER INCOME EXCEEDS DEFINED SET THRESHOLD PER YEAR USING DATA SCIENCE.
FIELD OF INVENTION	COMPUTER SCIENCE
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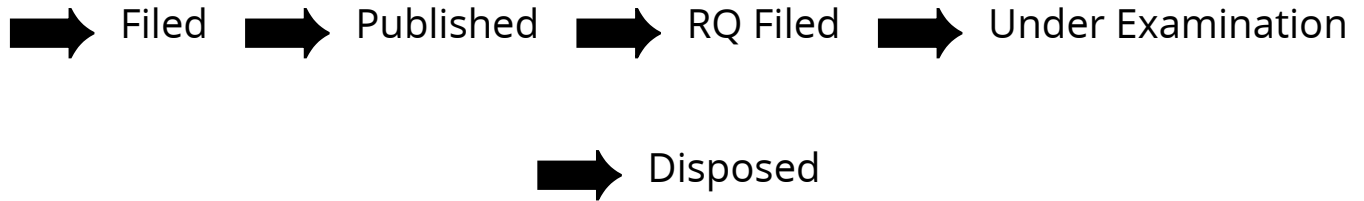


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Awaiting Request for Examination

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