



# Budgetary Control System at Orient Cement Company Limited

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## ABSTRACT

Established in the late 1970s as the foundation of the previous course, it is necessary for a particular orientation to organize papers and efforts. In 1997, the lower granulation unit was converted and transported to Nashirabad in Jalgaon, Maharashtra, where it has since become one of India's fastest and most effective concrete producers. It dissolved this year, and as a result, the offer has become one of India's fastest and most effective concrete producers. Devapur is located in the Aliabad area of Telangana. In the concrete flowers that were mixed in Chittapur, Gulbarga, and Karnataka, the prevalent concrete began mechanized assembly in 2015. It is decided in Maharashtra, Telangana, Karnataka, Andhra Pradesh, and a portion of Madhya Pradesh. It is also decided in Gujrath, Chhattisgarh, Tamil Nadu, and Kerala. Pozzolana Portland Concrete( percent) and everyday Portland Concrete( opc), both of which are sold under the birla touch logo, make up the product mix. It has a complete limit of eight mtpa. A1-birla. A2 serious level cement and Birla. A2 Heart coronary heart. The connection units a benchmark in the venture with a various series of product with an eye on energy and solidness. As per ISO 9001: 2015, ISO 14001 for EMS: 2015, ohsms 45001: 2015, ISO 19011: 2018, ISO 50001: 2011, ISO 27001: 2013. Grandplant care, otherwise called the "Japanese" premise of plant care. It furthermore got a few honors for incomplete wellbeing and inclusion arrangements that include

'greenpro affirmation' through unpracticed merchandise and birla govt committee. A1 premium impressive items( PPC). Concrete is situated for strength and loyally looking, and it's been made interesting to apply raw parts of unprecedented frightening.

## INTRODUCTION

Planning is a tool administered capacity( plan definition, training coordination and activity control, and so on.) Everyone is aware of how they spend their thoughts, whether or not it's essential in all day-to-day issues, country and family, financial allowances are prepared, the usage of property diligently, and the use of objectives as effectively as you could consider. Everybody knows roughly spending their psyche, what is the premise in all every day inconveniences, countrywide and home endeavors, money related help is ready, use property tirelessly and utilize the fantasies as productively as you might consider... Subtleties of plans, coordination of schooling and oversee of sports, and so on) spending plans are regularly used by organizations, government affiliations, non-pay gatherings and, surprisingly, little contraptions, as a case, family gadgets, making arrangements is a magnificent development and is done through proper techniques, when there is an extraordinary reach in significance, scope, recognition, shows, and the degree of intricacy connected to the monetary arrangement, useful gadget in the possession to plan and execute, control, far a deliberate

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relationship for what's in store comprises of the multitude of basic obligations of the organization's resource unit. Organization need to sort out for the useful obligations of the association. You must comprehend the objectives of the organization your strategy for carrying them out. The and combine your expectations for progress. Consequently, at the stop of the length, the organization ought to inspect the novel authoritative execution and the coordinated execution and see this reach, the association arranges and controls.

## LITERATURE REVIEW

1. **Zolotareve Anna 2018:** The article separates the changes in the solicitation for control of the circumstance( happened to inside the earlier year and arrangements), and the effect on the structure related with money and money. It is unknown( despite the fact that part of the effects of incorrect use that cause the initial damage to the account are typically excellent, rhea is generally regarded as the utilization of various wasteful values).
2. **F TEMELLI 2018:** Earnings must be collected, training must be paid for, and the spending account must be credited as a. In reality, each amount sent a value range fee, and each amount collected is an expense fee that in a comprehensive accounting system.
3. **Welsh( 2003)** asserts that "planning a higher technique to cope with "is a higher approach to deal with that has superior so far, when used adroitly in addition to judiciously. This is done by decoding the style of efforts focused at once from the lowest to the highest and by emphasizing the sport-plan.
4. **ALAN S. DUNK( 2011).** Anyway, it gives to a portion of the issues raised through the cost range pointers, comprising of the possibility that item related advancement ought not be carried out, that regulatory oversee systems ca n't be utilized along with item improvement, and spending plans can. Confine the advancement of the endeavor.
5. **TREVOR BOYNES 1945** A lot of money was given to the British organization's presentation of the accounting and fee development of logical management in the early 20th century. However, no information is known about the producers or the level of preference they had. The legitimacy of investments that British businesses disregard in order to quickly embody them. The paper calls for research on business records in complete so we can totally perceive their utilization, notwithstanding thoughts around the organization approaches in which cost range control is finished in UK partnerships.
6. **P EGBUNIKE 2017:** This specific test not entirely set in stone to clear up 2 fundamental issues to be leaned to, to decide whether there's presently an organization among spending applications, account control, in addition to execution assessment, Second, to determine whether or not you will find specific financial plans, a handling cost and execution analysis of the proportions of a large number of Nigerian businesses

## OBJECTIVE OF THE STUDY

Every piece of work has a reason, and the current investigation is not an isolated instance. Follows: Various analysis objectives were designated as followed.

- To perceive the value reach and spending plan oversee gadget in situate concrete ltd
- To view the exhibition of the business in expressions of pay.
- To examine the employer's revenue expenditures and receipts.
- To discover strategies for delegating authority and responsibility to facilitate centralized manipulation.
- Examine the five-year income range of the Orient Cement Company.



## DATA ANALYSIS AND INTERPRETATION

**Table 1: showing the company's current assets in lakhs was analyzed**

Year	Budget	Actual	Variance	Variance %
2016-2017	7,576.62	8,727.78	1,151.16	15%
2017-2018	10,467.28	8,385.41	2,385.41	20%
2018-2019	10,400.29	8,895.60	1,504.69	14%
2019-2020	10,386.78	10,872.58	485.80	5%
2020-2021	11,365.13	10,097.44	1,267.69	11%

**ANALYSIS:** According to the table above, the budgeted project's current property in 2016-2017 is 7, 576.62 lakhs, with a variance of 15, 000 percent over the course of the year. In the year 2017-2018 the amount of monetary arrangement for Rs. 10, 467.28 versus 8, 385, 41 at the fluctuation level( 20%) In 2018-2019, the planned amount changed into Rs 10, four hundred. 29, while the genuine sum become 8, 895.60, with a difference( 14%) In 2019-2020, the funds sum can be Rs. 10, 386. Seventy eight, and the genuine variety of 10, 872.58 is 5%, however the complete charge might be Rs. Eleven, 365. Correct thirteen, 10 097 Fourty-four variations are( 11%)

**Table 2: The table displays various income Amounts in lakhs**

year	budget	actual	variance	Variance%
2016-2017	-	146.13	146.03	100%
2017-2018	200.00	241.99	41.99	21%
2018-2019	250.00	391.13	141.13	56%
2019-2020	120.00	109.04	10.96	9%
2020-2021	100.00	173.45	73.45	73%

**ANALYSIS:** The work area above recommends that in 2016-2017 the alternatively accessible pay of the arranged venture is n't any sum and eventually of the remarkable yr there might be 100 45. Thirteen percent variety, or 100 percent. In 2017-2018 the conscious amount is Rs. 200 and genuine is 241.99 in contrast charge( 21%) In 2018-2019 the arranged amount is Rs 250 and the genuine is 391. Thirteen and the differentiation is( fifty six%). During the yr 2019-2020, how much funds can be Rs. 120, with a genuine variation of 109.04 percent, however the planned sum can be Rs. Actually, there are 173. The thing that matters is 40-5( 73%)

**Table 3: The table shows the strength and gas**

year	budget	actual	variance	Variance%
2016-2017	18,796.67	28,342.07	9,545.40	51%
2017-2018	25,093.73	27,915.91	2,822.92	11%
2018-2019	28,022.74	34,056.45	6,033.71	22%
2019-2020	30,914.24	31,529.71	615.47	2%
2020-2021	27,196.33	26,369.50	826.83	3%

**ANALYSIS:** According to the table above, the budgeted project's current property was 18, 796.67 lakhs in 2016-2017, and the variance percentage was at some point in the actual year 28, 342.07 percent. In 2017-2018 the amount wanted to spend Rs. 25, 093.73 and really came to 27, 915.91 inside the phase of difference (eleven percent) inside the a year 2018-2019, how much the spending plan for Rs. The cost range for 2019-2020 will be Rs. 28, 022.74, while the genuine number is 34, 056.45, with a variety( 22%) of 30, 914.24, and the real change is 31, 529. Seventy one percent, however the planned amount might be Rs. 27, 196.33 and really 26, 369.50 substitute( 3%)

**Table 4: The table demonstrates the Worker Advantages Costs**

year	budget	actual	variance	Variance%
2016-2017	2,346.00	21,704.08	641.92	27%
2017-2018	2,475.84	1,887.73	588.11	24%
2018-2019	2,664.60	2,222.28	442.32	17%
2019-2020	2,726.88	2,404.92	321.96	12%
2020-2021	3,067.18	2,399.05	668.12	22%

**ANALYSIS:** The aforementioned table reveals that while the budgeted project's modern assets totaled 2, 346.00 lakhs during the year 2016–2017, the variance percentage was 27% at 21, 704.08 points during the actual year. The price range for the years 2017-2018 was Rs. 2, 475.84 and 1, 887.73 in actual execution, a difference of 24 percent in the price range for Rs. 2, 664.60 and actually 2, 222.28 and change( 17%) In 2019-2020, the funds could be Rs. 2, 726.88, with a difference of 2, 404.92( 12 percent), but the price range may be Rs. Three, 067.18 and really 2, 399.05 fluctuation is( 22%)

**Table 5 :Appearance NON-CURRENT Resources**

year	budget	Actual	variance	Variance%
2016-2017	180,376.16	173,048.01	7,328.15	4%
2017-2018	173,043.87	176,222.10	3,178.23	2%
2018-2019	178,134.00	177,705.03	428.97	0%
2019-2020	179,615.87	173,152.50	6,463.37	4%
2020-2021	166,542.25	165,953.18	589.07	0%

**ANALYSIS:** According to the table above, the budgeted project's current assets in 2016-2017 totaled 188, 376.16 lakhs, with a variance percentage of 4% at one point in the actual year of 173, 048.01. year 2017-2018 the funds sum for Rs. 173, 043.87, and actually achieved 176, 222.10 in variance( 2%) during the 2018-2019 fiscal year, when the price range amount for Rs. 178.134.00 and the genuine is 177.705.03 and the fluctuation is( 0%) In 2019-2020, the financial plan can be Rs. The difference between 179, 615.87 and 173, 152.50 is 4 percent, but in 2020-2021, the price range could be Rs. 166, 542.25 and truly a hundred sixty five, 953.18 fluctuation is (zero%)

**Table 6: showing as on total equity and liabilities**

YEAR	BUDGET	ACTUAL	VARIANCE	VARIANCE%
2017-2018	183,511.15	184,607.51	1,096.36	1%
2020-2021	177,907.38	176,050.62	1,856.76	1%
2018-2019	188,534.07	186,600.63	1,933.44	1%
2019-2020	190,002.66	184,025.09	5,977.57	3%
2016-2017	187,952.78	181,775.78	6,177.00	3%

**ANALYSIS:** The above table shows that in the year 2016-2017 the current possessions of the planned task is 187, 952. Seventy eight lakhs and all through the genuine a year it is 181, 775.78 on the grounds that the difference percent is( 3%). The budget for the years 2017-2018 was Rs. 183, 511.15, while the actual result was 184, 607.51 at the variance level( 1%). In the fiscal year 2018–2019, the budget amount for Rs. 188, 534.07, while the actual number is 186, 600.63, and the difference is 1%. In 2019-2020, the budget could be Rs. 190, 002.66, and the actual variance of 184, 1/2.09 is 1%, however, the price range amount may be Rs. 177, 907.38, whereas the actual number is 176, 050.72, the difference is 1%.

## CONCLUSION

At last, I should close ordinarily the assortment and length of the spending application and expense determination control, which is normally expected, there are a few dynamic activities roughly the thingamabob center direct to upgrade functional execution correspondingly to big business pay. Handle reviews notwithstanding makers while heading to make control productive that wants might be envisioned. It must be guided out that the effect is ordinarily toward blast the decrease of all levels of oversee for the complete essential organization addresses. With all the assistance in legitimate asset arranging and building observing, Leo's lab has been ideal in expressions of functional improvement in all presentations and benefits for the



business. Most of the time, the business follows the great price gadget and monitors it for use in many modern benefits. It also keeps a high profit and completes the goals in the clear financial plan to get a big league salary and finish the non-fatal dreams. Critical. Expenditure. This is abundantly clear from the helpful way through the various values over the past five years. It is easy to see that the degree of variance between the various spending estimates and valuation estimates over the majority of the last five years is honestly negligible year to year, indicating excellent planning tools in addition to spending manipulation.

## REFERENCES

1. BHADRAPPA HARALAYYA, P.S.AITHAL, STUDY ON PRODUCTIVE EFFICIENCY OF FINANCIAL INSTITUTIONS, International Journal of Innovative Research in Technology, Volume 8, Issue 1, June-2021 ,Page no: 159 – 164, Available: [http://ijirt.org/master/publishedpaper/IJIRT151514\\_PAPER.pdf](http://ijirt.org/master/publishedpaper/IJIRT151514_PAPER.pdf)
2. BHADRAPPA HARALAYYA , STUDY OF BANKING SERVICES PROVIDED BY BANKS IN INDIA, International Research Journal of Humanities and Interdisciplinary Studies ([www.irjhis.com](http://www.irjhis.com)), Volume: 2, Issue: 6, Year: June 2021,Page No :06-12, Available at : <http://irjhis.com/paper/IRJHIS2106002.pdf>.
3. BHADRAPPA HARALAYYA, P.S.AITHAL , ANALYSIS OF BANK PERFORMANCE USING CAMEL APPROACH", International Journal of Emerging Technologies and Innovative Research ([www.jetir.org](http://www.jetir.org) | UGC and issn Approved), Vol.8, Issue 5, May-2021, page no 305-314, Available at : <http://www.jetir.org/papers/JETIR2105840.pdf>
4. BHADRAPPA HARALAYYA, P.S.AITHAL, ANALYSIS OF BANK PRODUCTIVITY USING PANEL CAUSALITY TEST, Journal of Huazhong University of Science and Technology, Volume 50, Issue 6, June-2021 , Page no: 1 – 16, Available at: <https://app.box.com/s/o71lh776oepypauvzucp9esntjwur9zf>
5. BHADRAPPA HARALAYYA, P.S.AITHAL, INTER BANK ANALYSIS OF COST EFFICIENCY USING MEAN, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 10, Issue 6, June-2021 ,Page no: 6391-6397, Available at: [http://www.ijirset.com/upload/2021/june/97\\_INTER\\_NC1.pdf](http://www.ijirset.com/upload/2021/june/97_INTER_NC1.pdf)
6. BHADRAPPA HARALAYYA, P.S.AITHAL , ANALYSIS OF TOTAL FACTOR PRODUCTIVITY AND PROFITABILITY MATRIX OF BANKS BY HMTFP AND FPTFP, Science, Technology and Development Journal, Volume 10, Issue 6, June-2021, Page no: 190-203, Available at: <http://journalstd.com/gallery/23-june2021.pdf>
7. BHADRAPPA HARALAYYA, P.S.AITHAL , ANALYSIS OF BANKS TOTAL FACTOR PRODUCTIVITY BY AGGREGATE LEVEL, Journal of Xi'an University of Architecture & Technology, Volume 13, Issue 6, June- 2021 ,Page no: 296-314, available at: <https://www.xajzkjdx.cn/gallery/28-june2021.pdf>
8. Bhadrappa Haralayya, P S Aithal, "ANALYSIS OF BANKS TOTAL FACTOR PRODUCTIVITY BY DISAGGREGATE LEVEL", International Journal of Creative Research Thoughts (IJCRT), Volume.9, Issue 6, June 2021, pp.b488-b502, Available at :<http://www.ijcrt.org/papers/IJCRT2106187.pdf>
9. Haralayya B. Importance of CRM in Banking and Financial Sectors Journal of Advanced Research in Quality Control and Management 2021, 6(1): 8-9
10. Haralayya B. How Digital Banking has Brought Innovative Products and Services to India. Journal of Advanced Research in Quality Control and Management 2021; 6(1): 16-18
11. Haralayya B. Top 5 Priorities That will Shape The Future of Retail Banking Industry in India. Journal of Advanced Research in HR and Organizational Management 2021; 8(1&2): 17-18.
12. Haralayya B. Millennials and Mobile-Savvy Consumers are Driving a Huge Shift in The Retail Banking Industry. Journal of Advanced Research in Operational and Marketing Management 2021; 4(1): 17-19



13. Haralayya B. Core Banking Technology and Its Top 6 Implementation Challenges. *Journal of Advanced Research in Operational and Marketing Management* 2021; 4(1): 25-27
14. Nitesh S Vibhute ; Dr. Chandrakant B. Jewargi ; Dr. Bhadrappa Haralayya . "Study on Non-Performing Assets of Public Sector Banks" *Iconic Research And Engineering Journals* Volume 4, Issue, 12 June 2021, Page 52-61 Available at <https://irejournals.com/formatedpaper/1702767.pdf>
15. Haralayya, Dr. Bhadrappa and Saini, Shrawan Kumar, An Overview on Productive Efficiency of Banks & Financial Institution (2018). *International Journal of Research*, Volume 05 Issue 12, April 2018, Available at SSRN: <https://ssrn.com/abstract=3837503>
16. Haralayya, Dr. Bhadrappa, Review on the Productive Efficiency of Banks in Developing Country (2018). *Journal for Studies in Management and Planning*, Volume 04 Issue 05, April 2018, Available at SSRN: <https://ssrn.com/abstract=3837496>
17. Sharma, N., William, P., Kulshreshtha, K., Sharma, G., Haralayya, B., Chauhan, Y., & Shrivastava, A. (2023). Human Resource Management Model with ICT Architecture: Solution of Management & Understanding of Psychology of Human Resources and Corporate Social Responsibility. *Journal for ReAttach Therapy and Developmental Diversities*, 6(9s (2)), 219-230.
18. . Tripathi, N., William, P., Sharma, G., Haralayya, B., Maheswari, K., & Kulshreshtha, K. (2023). Is Digital Business Growth in a Green Economy with Environmental Sustainability Accelerate the Organizational Positive Thinking and Potential. *Journal for ReAttach Therapy and Developmental Diversities*, 6(9s (2)), 209-218.
19. Manoj B Pandey Dr Bhadrappa Haralayya, Sunil Kumar Vohra, Smiley Gandhi E-COMMERCE AND ITS IMPACT ON GLOBAL BUSINESS, 2023 ,Volume-1, Pages 1-201
20. Srivastava, A. K., John, E. P., Haralayya, B., Sharma, G., Deshmukh, R., & Thamaraiselvi, G. (2023). Regression and Correlation Analysis on Profitability of Working Capital (WC) and its Psychological Impacts on Entrepreneur & Employees. *Journal for ReAttach Therapy and Developmental Diversities*, 6(10s (2)), 257-269.
21. Vohra, S. K., Kumar, V. S., Krishnamoorthy, R., Mahesh, P., Haralayya, B., Soni, N., & Gupta, S. K. (2024). Original Research Article The 5G revolution: Tackling challenges in smart cities and intelligent transportation systems. *Journal of Autonomous Intelligence*, 7(2).
22. Haralayya, B., Mishra, A., Singh, M., & Muda, I. (2024). A Study on the Performance of the Banking Industry During the COVID-19 Crisis. In *Advancements in Business for Integrating Diversity, and Sustainability* (pp. 82-87). Routledge.
23. Rao, M. K., Haralayya, B., Mishra, A., & Muda, I. (2024, March). Credit Risk Assessment in Banking Industry Using Optimization Based ML Algorithm. In *Advancements in Business for Integrating Diversity, and Sustainability: International Analytics Conference 2023| IAC 2023 February 2& 3, 2023| Virtual Conference* (p. 93). Taylor & Francis.
24. Yadav, B. S., Haralayya, B., Kumar, V., & Muda, I. (2024, March). Analysis on the Impact of Mediating role of Human Capital on the HR Management Practices. In *Advancements in Business for Integrating Diversity, and Sustainability: International Analytics Conference 2023| IAC 2023 February 2& 3, 2023| Virtual Conference* (p. 116). Taylor & Francis.
25. Gupta, S. K., Haralayya, B., Kumar, V., & Muda, I. (2024, March). Prediction of Customer Default in E-commerce based on Spider Monkey Optimized Scalar Random Forest Algorithm. In *Advancements in Business for Integrating Diversity, and Sustainability: International Analytics Conference 2023| IAC 2023 February 2& 3, 2023| Virtual Conference* (p. 57). Taylor & Francis.
26. Vohra, S. K., Haralayya, B., Gangwar, V. P., & Muda, I. (2024). Analysis of the Integration of Digital Marketing and the Business Strategy of the Organization. In *Advancements in Business for Integrating Diversity, and Sustainability* (pp. 98-103). Routledge.
27. Maheswari, K., Kumar, A., Humnekar, T. D., Prabhakar, A., Haralayya, B., & Kumar, M. (2024). Impact Of AI And Blockchain Technology In The Growth Of Digital HRM Transformation As A Function Of Management. *Educational Administration: Theory And Practice*, 30(4), 1685-1693.



28. Narendran, M. S., Jaiswal, R., Rai, M. P., Haralayya, B., Yadav, A. S., & Mishra, A. K. (2024). Exploring The Impact Of Emotional Intelligence On Leadership Effectiveness: A Meta-Analysis In Management Studies. *Educational Administration: Theory And Practice*, 30(4), 1668-1673.
29. Muda, I., Vohra, S. K., Gangwar, V. P., Haralayya, B., Singh, P., Pandey, A. K., & Abate, G. W. (2024). Evaluation of economic, environmental, and social impacts of COVID on rural tourism. *Environment, Development and Sustainability*, 1-15.
30. Garg, S., Haralayya, B., Maguluri, L. P., Szeberényi, A., & Sameen, A. Z. THE IMPACT OF ARTIFICIAL INTELLIGENCE ON MANAGEMENT PRODUCTIVITY AND EFFICIENCY.
31. Dsouza, J. J., Deeja, S., Bajpai, A., Haralayya, B., Mishra, P., & Yadav, M. A. (2024). Effects Of Asset Liability Management On The Profitability And Liquidity Of Particular Indian Commercial Banks. *Educational Administration: Theory and Practice*, 30(4), 7084-7088.
32. Haralayya, B. (2024). CORPORATE GOVERNANCE AND FINANCIAL PERFORMANCE: A LONGITUDINAL ANALYSIS OF THE IMPACT OF BOARD STRUCTURES. *International Development Planning Review*, 23(1), 1649-1663.
33. Haralayya, B. (2024). Behavioral Finance In Personal Investment: Analyzing The Role Of Psychological Factors In Decision-Making. *Educational Administration: Theory and Practice*, 30(5), 181-191.
34. Haralayya, B., Krishnakumar, P., Naik, S., & Reddy, D. H. (2024). An Extensive Analysis Of The Arbitrage Efficiency And Risk Return Dynamics Of Investment Strategies In The Indian Equity Derivative Market. *Educational Administration: Theory and Practice*, 30(5), 577-583.
35. Haralayya, B. (2024). Fintech Disruption: Evaluating The Implications For Traditional Financial Institutions And Regulatory Frameworks. *Educational Administration: Theory And Practice*, 30(5), 6783-6792.
36. Panda, P., Nayak, I., Thilaka, S., Veena, R. S., Haralayya, B., & Ramasamy, R. (2024). Women's Right to Land: A Step towards a Sustainable World Order. *Library Progress International*, 44(3), 13337-13347.
37. Sirisha, M. G. (2024). Project Management Methodologies: A Comparative Analysis of Agile and Waterfall Approaches. *Library Progress International*, 44(3), 17237-17246.
38. Lopez, S., Vani Sarada, D. R., Pandey, A., Khuntia, M., & Haralayya, B. (2024). Artificial intelligence challenges and role for sustainable education in india: Problems and prospects. *Library Progress International*, 44(3), 18261-18271.
39. Tripathi, M. A., Goswami, I., Haralayya, B., Roja, M. P., Aarif, M., & Kumar, D. (2024). The Role of Big Data Analytics as a Critical Roadmap for Realizing Green Innovation and Competitive Edge and Ecological Performance for Realizing Sustainable Goals. In *Advanced Technologies for Realizing Sustainable Development Goals: 5G, AI, Big Data, Blockchain, and Industry 4.0 Application* (pp. 260-269). Bentham Science Publishers.
40. Elkady, G., Sayed, A., Priya, S., Nagarjuna, B., Haralayya, B., & Aarif, M. (2024). An Empirical Investigation into the Role of Industry 4.0 Tools in Realizing Sustainable Development Goals with Reference to Fast Moving Consumer Foods Industry. In *Advanced Technologies for Realizing Sustainable Development Goals: 5G, AI, Big Data, Blockchain, and Industry 4.0 Application* (pp. 193-203). Bentham Science Publishers.
41. Kaur, C., Al Ansari, M. S., Rana, N., Haralayya, B., Rajkumari, Y., & Gayathri, K. C. (2024). A Study Analyzing the Major Determinants of Implementing Internet of Things (IoT) Tools in Delivering Better Healthcare Services Using Regression Analysis. In *Advanced Technologies for Realizing Sustainable Development Goals: 5G, AI, Big Data, Blockchain, and Industry 4.0 Application* (pp. 270-282). Bentham Science Publishers.
42. Rani, B., et al. "Benefits of on boarding as an approach to sustaining human resources in organizations." Bhadrappa and S., Deeja and Chinthamu, Narender, Benefits of on Boarding as an Approach to Sustaining Human Resources in Organizations (November 10, 2024). *Accountancy Business and the Public Interest* | Theme 2 (2024).
43. Praveen, RVS and Mutya, Brahma and Manikonda, Lokesh and Khan, Mohammad Ahmar and



- Haralayya, Dr. Bhadrappa and Chinthamu, Narender, Challenge and Impact of National Education Policy 2020 on Higher Education Systems (November 17, 2024). *European Economic Letters* | Vol 14, Issue 4 (2024),
44. Dipti Sharma, Sovik Mukherjee, Renuka Deshmukh, RVS Praveen, Biswo Ranjan Mishra, Bhadrappa Haralayya. (2025). The Impact of Digital Currencies on Traditional Banking: A Comparative Study of Emerging Markets. *European Economic Letters (EEL)*, 15(1), 1013–1025. <https://doi.org/10.52783/eel.v15i1.2483>.
  45. Mayank Malviya, Deepak Kumar Adhana, RVS Praveen, Biswo Ranjan Mishra, Pardhasaradhi Madasu, Bhadrappa Haralayya. (2025). Adaptation to Integration A Review on the Indian Accounting Standards (Ind AS) in Global Financial Reporting Convergence. *European Economic Letters (EEL)*, 15(1), 1003–1012. <https://doi.org/10.52783/eel.v15i1.2482>
  46. Munikrishnaiah Sundararamaiah, Thiyagarajan Mani Chettier, Rutul Shah, Piyush Mathurkar, Bhadrappa Haralayya, Navjyot Raval (2025). Knowledge Management Systems in the Digital Age: Enhancing Collaboration and Decision-Making in Organizations *Journal of Information Systems Engineering and Management*, **10 (11s)**, 281-288. <https://doi.org/10.52783/jisem.v10i11s.1586>.
  47. B. Haralayya, S. Petikam, S. Hatole, S. G. Shinde, D. Patel and S. T. Jagtap, "IoT-Enabled Educational Management Systems: Enhancing Efficiency and Accessibility," *2024 Second International Conference Computational and Characterization Techniques in Engineering & Sciences (IC3TES)*, Lucknow, India, 2024, pp. 1-5, doi: 10.1109/IC3TES62412.2024.10877470.
  48. Haralayya, B., Kushnoor, A., & Shetkar, S. (2025, February). Impact of Cryptocurrency on Global Financial Stability: Analyze Regulatory Responses and Their Effectiveness in Managing Risks Associated with Cryptocurrencies. In *2025 International Conference on Computational, Communication and Information Technology (ICCCIT)* (pp. 767-775). IEEE.
  49. Haralayya, B. (2025, February). The Challenges and Opportunities of Blockchain in Financial Systems: A Deep Dive Into Decentralized Finance (DeFi) and its Impact on Traditional Banking. In *2025 International Conference on Technology Enabled Economic Changes (InTech)* (pp. 1325-1330). IEEE.
  50. Haralayya, B., & Sripalreddy, P. (2025, February). Advancing Economic Analysis: Machine Learning-Driven Insights into the Impact of E-Commerce on National Growth and Current Trends. In *2025 International Conference on Technology Enabled Economic Changes (InTech)* (pp. 1146-1150). IEEE.
  51. Haralayya, B., & Sripalreddy, P. (2025, February). Leveraging AI and Regression for Strategic Financial Management Insights and Advancements. In *2025 International Conference on Technology Enabled Economic Changes (InTech)* (pp. 920-923). IEEE.
  52. Haralayya, D. B., & Kukkala, N. C. (2025). Digital Leadership in the Era of AI: Transforming Workforce Productivity and Innovation. Available at SSRN 5252706.
  53. Raj, R., Aarif, M., Haralayya, B., Jaff, N. A., Gogoi, M., & Vijayalakshmi, B. A. (2025, March). Enhancing Third-Party Product Marketing with Reinforcement Learning Techniques. In *2025 International Conference on Next Generation Information System Engineering (NGISE)* (Vol. 1, pp. 1-5). IEEE.
  54. Sharma, R., Haralayya, D. B., Maria H, H., Murthy, B. S. R., & Vadisetty, R. (2025). Corporate governance and AI ethics: A strategic framework for ethical Decision-Making in business. *Corporate Governance and AI Ethics: A Strategic Framework for Ethical Decision-Making in Business* (February 27, 2025).
  55. Akbar, M. C., Pulungan, A. F., Nasution, D., & Haralayya, B. (2025). Time Management as a Foundation for Ethics, Integrity, Competence, Professionalism, and Communication in Higher Education Discipline. *Jurnal Ilmu Sosial dan Ilmu Politik (JISIP)*, 14(2), 306-315.
  56. Muda, I., Vohra, S. K., Gangwar, V. P., Haralayya, B., Singh, P., Pandey, A. K., & Abate, G. W. (2025). Evaluation of economic, environmental, and social impacts of COVID on rural tourism. *Environment, Development and Sustainability*, 27(12), 29565-29579.
  57. Basha, Jeelan and Haralayya, Dr. Bhadrappa, Performance Analysis of Financial Ratios - Indian Public



- Non-Life Insurance Sector (April 30, 2021). Available at SSRN: <https://ssrn.com/abstract=3837465>.
58. Haralayya, Dr. Bhadrappa, The Productive Efficiency of Banks in Developing Country With Special Reference to Banks & Financial Institution (april 30, 2019). Available at SSRN: <https://ssrn.com/abstract=3844432> or <http://dx.doi.org/10.2139/ssrn.3844432>
  59. Haralayya, Dr. Bhadrappa, Study on Performance of Foreign Banks in India (APRIL 2, 2016). Available at SSRN: <https://ssrn.com/abstract=3844403> or <http://dx.doi.org/10.2139/ssrn.3844403>
  60. Haralayya, Dr. Bhadrappa, E-Finance and the Financial Services Industry (MARCH 28, 2014). Available at SSRN: <https://ssrn.com/abstract=3844405> or <http://dx.doi.org/10.2139/ssrn.3844405>
  61. Haralayya, Dr. Bhadrappa, E-payment - An Overview (MARCH 28, 2014). Available at SSRN: <https://ssrn.com/abstract=3844409> or <http://dx.doi.org/10.2139/ssrn.3844409>.
  62. Bhadrappa Haralayya . "Customer Satisfaction at M/s Sindol Bajaj Bidar" Iconic Research And Engineering Journals, Volume 4 ,Issue 12, June 2021, Page 157-169 Available at: <https://irejournals.com/formatedpaper/1702792.pdf>
  63. Bhadrappa Haralayya . "Ratio Analysis at NSSK, Bidar" Iconic Research And Engineering Journals, Volume 4, Issue 12, June 2021, Page 170-182 Available at: <https://irejournals.com/formatedpaper/1702793.pdf>
  64. Bhadrappa Haralayya . "Financial Statement Analysis of Shri Ram City Union Finance" Iconic Research And Engineering Journals, Volume 4, Issue 12, June 2021, Page 183-196 Available at: <https://irejournals.com/formatedpaper/1702794.pdf>
  65. Bhadrappa Haralayya . "Employee Job Satisfaction at Big Bazaar" Iconic Research And Engineering Journals, Volume 4, Issue 12, June 2021, Page 197-206 Available at: <https://irejournals.com/formatedpaper/1702795.pdf>
  66. Bhadrappa Haralayya . "Effect of Branding on Consumer Buying Behaviour at Vijay Bharat Motors Pvt Ltd, Bidar" Iconic Research And Engineering Journals, Volume 4, Issue 12, June 2021, Page 207-222 Available at: <https://irejournals.com/formatedpaper/1702796.pdf>
  67. Bhadrappa Haralayya . "Study on Customer Perceptions Guru Basava Motors, Bidar" Iconic Research And Engineering Journals, Volume 4, Issue 12, June 2021, Page 223-231 Available at: <https://irejournals.com/formatedpaper/1702797.pdf>
  68. Bhadrappa Haralayya . "Study on Loans and Advances for DCC Bank Main Branch Nayakaman, Bidar" Iconic Research And Engineering Journals, Volume 4, Issue 12, June 2021, Page 232-242 Available at: <https://irejournals.com/formatedpaper/1702798.pdf>
  69. Bhadrappa Haralayya . "Work Life Balance of Employees at Karanja Industries Pvt Ltd, Bidar" Iconic Research And Engineering Journals, Volume 4, Issue 12, June 2021, Page 243-254 Available at: <https://irejournals.com/formatedpaper/1702799.pdf>
  70. Bhadrappa Haralayya . "Working Capital Management at TVS Motors, Bidar" Iconic Research And Engineering Journals, Volume 4, Issue 12, June 2021, Page 255-265 Available at: <https://irejournals.com/formatedpaper/1702800.pdf>
  71. Haralayya, Dr. Bhadrappa, Testing Weak Form Efficiency of Indian Stock Market – An Empirical Study on NSE (April 30, 2021). Emerging Global Strategies for Indian Industry (ISBN: 978-81-910118-7-6), 2021, Available at SSRN: <https://ssrn.com/abstract=3837488>
  72. Haralayya, Dr. Bhadrappa, Top 10 Ways to Improve the Communication Skills (JUNE 20, 2016). Available at SSRN: <https://ssrn.com/abstract=3844410> or <http://dx.doi.org/10.2139/ssrn.3844410>
  73. Haralayya, Dr. Bhadrappa, Multi-Inter-Trans Disciplinary Research Towards Management and Commerce (July 25, 2016). Available at SSRN: <https://ssrn.com/abstract=3847404>
  74. Bhadrappa Haralayya . "Advertising Effectiveness With Reference to Big Bazaar" Iconic Research And Engineering Journals, Volume 5, Issue 1, July 2021, Page 101-110 Available at: <https://irejournals.com/formatedpaper/1702831.pdf>
  75. Bhadrappa Haralayya . "Analysis of Non Performing Asset on Urban Cooperative Bank in India" Iconic Research And Engineering Journals, Volume 5, Issue 1, July 2021, Page 111-121 Available at:



<https://irejournals.com/formatedpaper/1702832.pdf>

76. Bhadrappa Haralayya . "Ration Analysis With Reference to DCC Bank" Iconic Research And Engineering Journals, Volume 5, Issue 1, July 2021, Page 122-130 Available at: <https://irejournals.com/formatedpaper/1702833.pdf>
77. Bhadrappa Haralayya . "Consumer Buying Behavior With Reference to Bajaj Auto Ltd" Iconic Research And Engineering Journals, Volume 5, Issue 1, July 2021, Page 131-140 Available at: <https://irejournals.com/formatedpaper/1702834.pdf>
78. Bhadrappa Haralayya . "Sales Promotion With Reference to Yamaha Motor" Iconic Research And Engineering Journals, Volume 5, Issue 1, July 2021, Page 141-149 Available at: <https://irejournals.com/formatedpaper/1702835.pdf>
79. Bhadrappa Haralayya . "Financial Statement Analysis Using Common Size on Mahindra Sindol Motors" Iconic Research And Engineering Journals, Volume 5, Issue 1, July 2021 , Page 150-159 Available at: <https://irejournals.com/formatedpaper/1702836.pdf>
80. Bhadrappa Haralayya . "Loans And Advances with Reference to PKGB Bank" Iconic Research And Engineering Journals, Volume 5, Issue 1, July 2021, Page 160-170 Available at: <https://irejournals.com/formatedpaper/1702837.pdf>
81. Bhadrappa Haralayya . "Study on Trend Analysis at John Deere" Iconic Research And Engineering Journals, Volume 5, Issue 1, July 2021, Page 171-181 Available at: <https://irejournals.com/formatedpaper/1702838.pdf>
82. Haralayya B, Aithal PS. Study on Cost Efficiency in Indian and Other Countries Experience. Journal of Advanced Research in HR and Organizational Management 2021; 8(1&2): 23-30.
83. Haralayya B, Aithal PS. Study on Theoretical Foundations of Bank Efficiency. . Journal of Advanced Research in Operational and Marketing Management 2021; 4(2): 12-23.
84. Haralayya B, Aithal PS. Study on Profitability Efficiency in Indian and Other Countries Experience. Journal of Advanced Research in Quality Control and Management 2021; 6(2): 1-10.
85. S. Vinoth, Hari Leela Vemula, Bhadrappa Haralayya, Pradeep Mangain, Mohammed Faez Hasan, Mohd Naved, Application of cloud computing in banking and e-commerce and related security threats, Materials Today: Proceedings, 2021,ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2021.11.121>.(<https://www.sciencedirect.com/science/article/pii/S2214785321071285>).
86. Haralayya B, Jeelan BV, Vibhute NS. Capital Structure and Factors Affecting Capital Structure. J Adv Res Eco Busi Mgmt 2021; 4(2): 4-35.
87. Vibhute NS, Haralayya B, Jeelan BV. Performance Evaluation of Selected Banks using Ratio Analysis. J Adv Res Eco Busi Mgmt 2021; 4(2): 36-44
88. Jeelan BV, Haralayya B, Vibhute NS. A Study on Empirical Analysis of Relationship between FPI and NIFTY Returns. J Adv Res Acct Fin Mgmt 2021; 3(2): 3-22
89. Jeelan BV, Haralayya B, Vibhute NS. A Study on Performance Evaluation of Initial Public Offering (IPO). J Adv Res Pub Poli Admn 2021; 3(2): 12-26.
90. Basha VJ, Haralayya B, Vibhute NS. Analysis of Segment Reporting with Reference to Selected Software Companies. J Adv Res Entrep Innov SMES Mgmt 2021; 4(2): 9-26.
91. Jeelan BV, Haralayya B, Vibhute NS. Co-Movement and Integration among Stock Markets: A Study of 10 Countries. J Adv Res Acct Fin Mgmt 2021; 3(2): 23-38.
92. Jeelan BV, Haralayya B, Vibhute NS. A Comparative Study on Selected Foreign Currencies. J Adv Res Eco Busi Mgmt 2021; 4(2): 45-5
93. Bhadrappa Haralayya . "A Study on Customer Satisfaction at TVS Vanish Motors Bidar" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 117-127
94. Bhadrappa Haralayya . "Consumer Buying Behavior at Kailash Motors Bidar" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 128-137
95. Bhadrappa Haralayya . "Credit Risk of Canara Bank Bidar" Iconic Research And Engineering Journals



Volume 5 Issue 9 2022 Page 138-149

96. Bhadrappa Haralayya . "Effect of Branding on Consumer Buying Behaviour in Bharat Ford Bidar" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 150-159
97. Bhadrappa Haralayya . "Employee Engagement at Kharanja Industry Pvt Ltd Humanbad" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 160-170
98. Bhadrappa Haralayya . "Employee Performance Appraisal at Sri Veerabhadreshwar Motors Bidar" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 171-183
99. Bhadrappa Haralayya . "Employees Training and Development at Mgssk Ltd Bhalki" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 184-196
100. Bhadrappa Haralayya . "Impact of Financial Statement Analysis on Financial Performance in Lahoti Motors Bidar" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 197-206
101. Bhadrappa Haralayya . "Impact of Ratio Analysis on Financial Performance in Royal Enfield (Bhavani Motors) Bidar" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 207-222
102. Bhadrappa Haralayya . "Sales Promotion at Keshva Enterprise Bidar" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 223-232
103. Bhadrappa Haralayya . "The Impact of Safety and Health Measures of Employees at KJD Pharma Bidar" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 233-242
104. Bhadrappa Haralayya . "Comparative Analysis of Mutual Funds in Geojit Financial Services Ltd Gulbarga" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 243-251
105. Bhadrappa Haralayya . "Cost Analysis at MGSSK Bhalki" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 252-258
106. Bhadrappa Haralayya . "Employee Compensation Management at Vani Organic Pvt Ltd Bidar" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 259-266
107. Bhadrappa Haralayya . "Employees Performance Appraisal of Chettinad Cement Gulbarga" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 267-277
108. Bhadrappa Haralayya . "Ratio Analysis in Muthoot Finance Ltd Aurad" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 278-284
109. Bhadrappa Haralayya . "Study on Promotion Mix Strategy Towards Big Bazaar Bidar" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 285-291
110. Bhadrappa Haralayya . "Study on Sales Promotion Techniques Used by VKG Bajaj at Kalaburagi" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 292-298
111. Bhadrappa Haralayya . "Working Capital Management in Hyundai Showroom Bidar" *Iconic Research And Engineering Journals* Volume 5 Issue 9 2022 Page 299-308
112. Bhadrappa Haralayya "Study on Performance Evaluation of Mutual Funds" *Iconic Research And Engineering Journals* Volume 5 Issue 10 2022 Page 29-36
113. Bhadrappa Haralayya . "The Performance of Mutual Fund Schemes in The Framework of Risk and Return" *Iconic Research And Engineering Journals* Volume 5 Issue 10 2022 Page 37-44
114. Bhadrappa Haralayya . "Risk And Return Analysis of Mutual Funds with Reference to Banks" *Iconic Research And Engineering Journals* Volume 5 Issue 10 2022 Page 45-55
115. Bhadrappa Haralayya . "Comparative Study on Performance Evaluation of Mutual Funds with Reference to Banking Funds" *Iconic Research And Engineering Journals* Volume 5 Issue 10 2022 Page 56-64
116. Bhadrappa Haralayya, Mamta "Review on Mutual Funds in Financial Services" *Quest Journal of Research in Business and Management* ,Volume 10,Issue 5 2022 Pages 77-82.
117. HARALAYYA, BHADRAPPA. "An Exploratory Investigation On Implications Of Corporate Governance On Financial Performance In India." *Journal of Positive School Psychology* 6.8 (2022): 633-647.
118. HARALAYYA, BHADRAPPA. "CHANGE IN CONSUMER BUYING BEHAVIOR: INCLINATION TOWARD E-COMMERCE COMPANIES." *International Journal of Early Childhood Special Education* 14.5 (2022): Pages 6025-3030.



119. Haralayya Bhadrappa, "Financial Management" KD Publication ,2022
120. Gowriswari, S., Raman, R., Haralayya, B., & Vibhute, N. S. (2022, October). Medical image learning by integrating image grade and kernel processing into feature extraction. In AIP Conference Proceedings (Vol. 2519, No. 1, p. 030012). AIP Publishing LLC.
121. Prasad, V., Haralayya, B., Jayashree, R. A., Prabavathy, A. K., & Selvarasu, S. (2023, January). Creating a cost-effective network of operational resources for wireless networks. In AIP Conference Proceedings (Vol. 2523, No. 1, p. 020087). AIP Publishing LLC.
122. V. S. Kumar, A. Alemran, S. K. Gupta, B. Hazela, C. K. Dixit and B. Haralayya, "Extraction of SIFT Features for Identifying Disaster Hit areas using Machine Learning Techniques," *2022 International Conference on Knowledge Engineering and Communication Systems (ICKES)*, Chickballapur, India, 2022, pp. 1-5, doi: 10.1109/ICKECS56523.2022.10060037.
123. M. Sakthivel, S. Kant Gupta, D. A. Karras, A. Khang, C. Kumar Dixit and B. Haralayya, "Solving Vehicle Routing Problem for Intelligent Systems using Delaunay Triangulation," *2022 International Conference on Knowledge Engineering and Communication Systems (ICKES)*, Chickballapur, India, 2022, pp. 1-5, doi: 10.1109/ICKECS56523.2022.10060807.
124. V. S. Kumar, A. Alemran, D. A. Karras, S. Kant Gupta, C. Kumar Dixit and B. Haralayya, "Natural Language Processing using Graph Neural Network for Text Classification," *2022 International Conference on Knowledge Engineering and Communication Systems (ICKES)*, Chickballapur, India, 2022, pp. 1-5, doi: 10.1109/ICKECS56523.2022.10060655.
125. S. Tahilyani, S. Saxena, D. A. Karras, S. Kant Gupta, C. Kumar Dixit and B. Haralayya, "Deployment of Autonomous Vehicles in Agricultural and using Voronoi Partitioning," *2022 International Conference on Knowledge Engineering and Communication Systems (ICKES)*, Chickballapur, India, 2022, pp. 1-5, doi: 10.1109/ICKECS56523.2022.10060773.
126. V. S. Kumar, M. Sakthivel, D. A. Karras, S. Kant Gupta, S. M. Parambil Gangadharan and B. Haralayya, "Drone Surveillance in Flood Affected Areas using Firefly Algorithm," *2022 International Conference on Knowledge Engineering and Communication Systems (ICKES)*, Chickballapur, India, 2022, pp. 1-5, doi: 10.1109/ICKECS56523.2022.10060857.
127. Haralayya, B. 5. The Impact of AI on Consumerism.
128. Khan, B., Kumar, P., Soubhari, T., Haralayya, B., & Priya, U. "DATA PERFORMANCE ON COMPARATIVE STUDY OF PUBLIC SECTOR AND PRIVATE SECTOR BANKS IN INDIA" *Manager – The British Journal of Administrative Management*, Volume 58, Issue 156,2022 Pages 109-122
129. Bhanu, M. V. V., Khan, B., Haralayya, B., Khan, S. A., Magdaline, J. M. S., & Jafersadhiq, "A. SERVICE QUALITY AND CUSTOMER SATISFACTION FOR BANKING SYSTEM" . *Manager – The British Journal of Administrative Management*, Volume 58, Issue 156,2022 Pages 123-130.
130. Dr. P. Vamsi Krishna Dr. Swapna Datta Khan, Dr. Sachin Wankhede, Dr. Chadalavada Lakshmi Nath, Dr. Bhadrappa Haralayya, Bhola Khan "A STUDY ON SERVICE QUALITY DIMENSIONS AND FACTORS AFFECTING CUSTOMER SATISFACTION IN E-BANKING FUNCTIONALITY" *Korea Review Of International Studies*,Volume 15,Issue 41,2022 Pages 119-133.
131. Dr. Parvez alam khan M. Harish Behin, Dr. C. L. Jeba Melvin, Dr. Bhadrappa Haralayya, Bhola Khan, Rohit Mishra "TECHNICAL IMPACT OF E-BANKING ON OPERATIONAL PERFORMANCE SERVICE QUALITY ON CUSTOMER SATISFACTION IN PRIVATE AND PUBLIC BANK" *Korea Review Of International Studies*,Volume 15,Issue 41,2022 Pages 134-145.
132. Dr. Priyanka Kaushik Dr. A. Balamurugan, Dr. M. Vamsi Krishna, Dr. Rajib Bhattacharya, Dr. Shariq Mohammed, Dr. Bhadrappa Haralayya "ROBOTIC PROCESS AUTOMATION (RPA) IN ACCOUNTING AND AUDITING OF BUSINESS AND FINANCIAL INFORMATION" *Manager – The British Journal Of Administrative Management*, Volume 58, Issue 157,2023 Pages 127-142
133. HARALAYYA, B., & AITHAL, P. S. (2022). BANKS AND FINANCIAL INSTITUTION.
134. Dr. Santosh Jagtap Dr. Rashmi B H, Dr. Raghavendra Kulkarni ,Dr Bhadrappa Haralayya, (2023).



## MACHINE LEARNING BASED FINANCIAL MANAGEMENT.

135. A. Kishore Kumar, A. Alemran, D. A. Karras, S. Kant Gupta, C. Kumar Dixit and B. Haralayya, "An Enhanced Genetic Algorithm for Solving Trajectory Planning of Autonomous Robots," *2023 IEEE International Conference on Integrated Circuits and Communication Systems (ICICACS)*, Raichur, India, 2023, pp. 1-6, doi: 10.1109/ICICACS57338.2023.10099994.
136. R. Bhattacharya, Kafila, S. H. Krishna, B. Haralayya, P. Nagpal and Chitsimran, "Modified Grey Wolf Optimizer with Sparse Autoencoder for Financial Crisis Prediction in Small Marginal Firms," *2023 Second International Conference on Electronics and Renewable Systems (ICEARS)*, Tuticorin, India, 2023, pp. 907-913, doi: 10.1109/ICEARS56392.2023.10085618.
137. Dr. Bhadrappa Haralayya . "Review on Effect of Branding on Consumer Buying Behaviour" *Iconic Research And Engineering Journals Volume 6 Issue 10 2023 Page 81-91*
138. Dr. Bhadrappa Haralayya ; Dr. Mamta Mallikarjun . "Review of Financial Statement Analysis on Financial Performance" *Iconic Research And Engineering Journals Volume 6 Issue 10 2023 Page 92-103*
139. Dr. Bhadrappa Haralayya ; Dr. Mamta Mallikarjun . "Review on Consumer Buying Behavior" *Iconic Research And Engineering Journals Volume 6 Issue 10 2023 Page 104-111*
140. Dr. Bhadrappa Haralayya . "Review on Cost Management" *Iconic Research And Engineering Journals Volume 6 Issue 10 2023 Page 112-121*
141. Dr. Bhadrappa Haralayya . "Review on Credit Risk" *Iconic Research And Engineering Journals Volume 6 Issue 10 2023 Page 122-134*
142. Dr. Bhadrappa Haralayya ; Dr. Mamta Mallikarjun . "Review on Employees Job Satisfaction" *Iconic Research And Engineering Journals Volume 6 Issue 10 2023 Page 135-143*
143. Dr. Bhadrappa Haralayya . "Review on Employees Training and Development" *Iconic Research And Engineering Journals Volume 6 Issue 10 2023 Page 144-151*
144. Dr. Bhadrappa Haralayya ; Dr. Mamta Mallikarjun . "Review on Promotion Mix Strategy" *Iconic Research And Engineering Journals Volume 6 Issue 10 2023 Page 152-161*
145. Dr. Bhadrappa Haralayya ; Dr. Mamta Mallikarjun . "Review on Ratio Analysis of Financial Performance" *Iconic Research And Engineering Journals Volume 6 Issue 10 2023 Page 162-171*
146. Dr. Bhadrappa Haralayya . "Review on Ratio Analysis" *Iconic Research And Engineering Journals Volume 6 Issue 10 2023 Page 172-181*
147. Rohit Kumar Dr Manish Kumar Jaisal,Raman R Tirpude,Dr Bhadrappa Haralayya,Dr. Priyanka Agarwal,Dr. Shweta Rani "ENVIORNMENT AND SUSTAINABLE DEVELOPMENT A THEORITICAL FRAMEWORK" *European Chemical Bulletin ,Volume 12, Issue 5,2023,Pages 362-372*
148. S. K. Gupta, W. Ahmad, D. A. Karras, A. Khang, C. K. Dixit and B. Haralayya, "Solving Roulette Wheel Selection Method using Swarm Intelligence for Trajectory Planning of Intelligent Systems," *2023 International Conference on Recent Trends in Electronics and Communication (ICRTEC)*, Mysore, India, 2023, pp. 1-5, doi: 10.1109/ICRTEC56977.2023.10111861.
149. S. K. Gupta, V. S. Kumar, A. Khang, B. Hazela, N. T and B. Haralayya, "Detection of Lung Tumor using an efficient Quadratic Discriminant Analysis Model," *2023 International Conference on Recent Trends in Electronics and Communication (ICRTEC)*, Mysore, India, 2023, pp. 1-6, doi: 10.1109/ICRTEC56977.2023.10111903.
150. S. K. Gupta, A. Alemran, P. Singh, A. Khang, C. K. Dixit and B. Haralayya, "Image Segmentation on Gabor Filtered images using Projective Transformation," *2023 International Conference on Recent Trends in Electronics and Communication (ICRTEC)*, Mysore, India, 2023, pp. 1-6, doi: 10.1109/ICRTEC56977.2023.10111885.
151. S. K. Gupta, S. Saxena, A. Khang, B. Hazela, C. K. Dixit and B. Haralayya, "Detection of Number Plate in Vehicles using Deep Learning based Image Labeler Model," *2023 International Conference on Recent Trends in Electronics and Communication (ICRTEC)*, Mysore, India, 2023, pp. 1-6, doi: 10.1109/ICRTEC56977.2023.10111862.
152. Dr Manish Kumar Jaisal,Raman R Tirpude,Dr Bhadrappa Haralayya,Dr. Priyanka Agarwal,Dr. Shweta



Rani Rohit Kumar “ Environment And Sustainable Development A Theoretical Framework , European Chemical Bulletin, Volume 12,,Issue 5,Pages 362-372

153. Dr Bhadrappa Haralayya, Dr. Parveen Roja M, Dr. Mona Sinha, Rikhi Yadav, Dr.Premasish Roy Alok Suresh Shah “Challenges And Impact Of Artificial Intelligence On Sustainable Development And E-Markets, European Chemical Bulletin ,Volume 12,,Issue 5,Pages 609-621
154. Haralayya, Bhadrappa. "A Study on Duration Gap Method and Interest Rate Risk Management." Journal of Survey in Fisheries Sciences 10.1S (2023): 5674-5685.
155. Dr Bhadrappa Haralayya A Study On Liquidity Risk Management European Chemical Bulletin ,Volume 12, Issue 4,Pages 6114-6125
156. Dr. Bhadrappa haralayya. (2023). An Empirical Investigation In Anlysing The Critical Factors Of Machine Learning Towards Risk Management In Banks Using Multivariate Analysis Of Variance (Manova). CEMJP, 31(2), 989–996. <https://doi.org/10.57030/23364890.cemj.31.2.102>
157. BHADRAPPA HARALAYYA , P.S.AITHAL , PERFORMANCE AFFECTING FACTORS OF INDIAN BANKING SECTOR: AN EMPIRICAL ANALYSIS, George Washington International Law Review, Vol.- 07 Issue -01, April-June 2021, PAGE No : 607-621, Available at: <http://archive-gwilsr.org/wp-content/uploads/2021/06/Bhadrappa-Haralayya.pdf>
158. BHADRAPPA HARALAYYA , P.S.AITHAL , TECHNICAL EFFICIENCY AFFECTING FACTORS IN INDIAN BANKING SECTOR: AN EMPIRICAL ANALYSIS, Turkish Online Journal of Qualitative Inquiry (TOJQI), Vol.- 12 Issue -03, June 2021, PAGE No : 603-620, Available at: <https://www.tojqi.net/index.php/journal/article/view/791/242>
159. BHADRAPPA HARALAYYA , P.S.AITHAL , IMPLICATIONS OF BANKING SECTOR ON ECONOMIC DEVELOPMENT IN INDIA, George Washington International Law Review, Vol.- 07 Issue -01, April-June 2021, PAGE No : 631-642 Available at: <http://archive-gwilsr.org/wp-content/uploads/2021/06/Bhadrappa-Haralayya-1.pdf>
160. BHADRAPPA HARALAYYA , P.S.AITHAL ,STUDY ON PRODUCTIVE EFFICIENCY OF BANKS IN DEVELOPING COUNTRY, International Research Journal of Humanities and Interdisciplinary Studies ([www.irjhis.com](http://www.irjhis.com)) ,Volume: 2, Issue: 5, May 2021, Page No : 184-194. Available at : <http://irjhis.com/paper/IRJHIS2105025.pdf>
161. Bhadrappa Haralayya ; P. S. Aithal . "Study on Model and Camel Analysis of Banking" Iconic Research And Engineering Journals ,Volume 4 ,Issue 11 ,May 2021 Page 244-259. Available at <https://irejournals.com/paper-details/1702750>
162. Bhadrappa Haralayya and Aithal, P. S.. “Analysis of cost efficiency on scheduled commercial banks in India”. International Journal of Current Research, Volume 13, Issue 06, June 2021, pp 17718-17725 Available at: <https://www.journalcra.com/sites/default/files/issue-pdf/41580.pdf>
163. Bhadrappa Haralayya and P. S. Aithal, “A Study On Structure and Growth of Banking Industry in India”, International Journal of Research in Engineering, Science and Management ,Volume 4, Issue 5, May 2021. Page no 225–230. Available at: <https://www.journals.resaim.com/ijresm/article/view/778/749>.
164. Bhadrappa Haralayya, Retail Banking Trends in India ,International Journal of All Research Education and Scientific Methods (IJARESM), Volume: 9, Issue: 5, Year: May 2021, Page No : 3730-3732. Available At [http://www.ijaresm.com/uploaded\\_files/document\\_file/Bhadrappa\\_Haralayyaqscw.pdf](http://www.ijaresm.com/uploaded_files/document_file/Bhadrappa_Haralayyaqscw.pdf)
165. BHADRAPPA HARALAYYA, P.S.AITHAL, FACTORS DETERMINING THE EFFICIENCY IN INDIAN BANKING SECTOR : A TOBIT REGRESSION ANALYSIS", International Journal of Science & Engineering Development Research ([www.ijedr.org](http://www.ijedr.org)), Vol.6, Issue 6, June-2021, page no.1 - 6, , Available :<http://www.ijedr.org/papers/IJEDR2106001.pdf>
166. BHADRAPPA HARALAYYA , P.S.AITHAL , IMPLICATIONS OF BANKING SECTOR ON ECONOMIC DEVELOPMENT IN INDIA, flusserstudies, Volume 30, June 2021,Page No:1068-1080, Available at: <https://flusserstudies.org/archives/801>

