Review of Financial Statement Analysis on Financial Performance

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Abstract- Every organisation is compassed of many departments and studying about the roles responsibilities and functions of those departments in one of the most crucial job each department in an organisation are inter related and inter dependent with each other and if a single department fails in achieving its objectives the whole cycle gets collapsed. Co-ordination, co-operation, mutual understanding, exact inter personal conversation and so forth are most amongst the branch heads and sub organization goals and lead the business enterprise to progress. Research on working funds administration is used to perceive the particular financial generally demonstration and capacity associated with the business and also to capture the characteristics and shortcomings and also to assess the advantage of the organization. Working capital management is associated along with inconveniences that excursion up when trying to control present property, contemporary financial obligations, and interrelationships.

I. INTRODUCTION

Monetary record examination is the strategy for investigating and contemplating the fiscal summaries of an organization to settle on better financial choices to acquire future profit. These assertions incorporate benefits articulations, accounting reports, coins float proclamations, notes to obligations and value exchange explanations. Monetary revealing investigation is a method or way that incorporates methodologies explicit for contrasting an association's dangers, generally speaking execution, financial wellbeing, and fate possibilities. These are utilized by various occasions, comprising of credit and value financial backers, governments, the overall population and decision producers within the association. These partners have amazing pursuits

and practice a dispersion of methods to fulfill their cravings.

Monetary record assessment is a strategy of inspecting and perusing an office's bookkeeping reports that you should degree future, current or estimate execution. This way of evaluating budget reports grants for better monetary decision making. Worldwide, openly recorded associations are needed by guideline to record money related articulations with the substance specialists.

As money summaries are synchronised to satisfy the requirements, the following one period in how is to be able to explore them efficiently so predetermination rewards and coins avenues can be predicted.

The major justification of monetary assertion investigation is to be able to apply info on a great association's previous display with a purpose to anticipate just how it will move inside what's to be able to come. Another crucial justification financial story assessment is always to locate the probability of which issues will arise and tackle typically the versions inconveniences.

• Meaning:

Monetary record investigation is the arrangement of examining an organization's budget reports. To make a determination. Outer partners utilize this utility to secure the general wellbeing of the business notwithstanding to survey the monetary display and cost regarding the business. Inside of materials put it to use being a following device regarding monetary control. A new partnership's monetary dire record considerable economic data on every single segment of enterprise endeavor sports. Just about all things considered, that very well may possibly be assessed influenced by past, present in addition to projected execution.

Inside famous, monetary uncovering communities on typically constantly happening accounting thoughts (GAAP) inside the U. S. The typical expects organizations for making and keep about three head financial answers: accounting reports, pay out articulations, and funds accept circumstances regarding what these are aveu. Public gatherings have got stricter norms regarding revealing their money reports. Public interactions should notice GAAP prerequisites that want accounting, non-public organizations have got greater adaptability inside the planning regarding budget reports and moreover have the selection to make use of accounting or coins accounting.

- Types:
- 1. Internal analysis:

Inside assessment is carried out through top management chiefs by using handle bookkeepers. The funds and business task issues bookkeeping section has an right away way to manage all pertinent economic records. The exploration diagrams the basic presentation of massive enterprise issues and research profit for different exercises and routines.

2. External analysis:

Investors are customers, banks, financial footings, texture providers, federal government offices and obligation authorities while others carry out outer investigation. This individual is predicated upon distributed money associated proclamations. The explanation from the assessment varies in one festival in order to each other.

3. Short term analysis:

Short - time span assessment associated with monetary explanations general budget summaries are around roughly working capital examination all with each other that conjectures may be manufactured from options for future advantages, potential to spend interest costs, responsibility owed, long period notwithstanding long carry and sound potential customers of profit addition.

The undertaking requirements to have sufficient value reach in order to fulfill its condition of the

artwork needs and sufficient obligation potential to fulfill the possibility. Such manner, the fluid job of the particular entrepreneur is solved through breaking straight down the current house and advanced financial obligations. Subsequently, proportion exam may be extremely beneficial for short -- time-frame investigation.

4. Long term analysis:

There should be a good insignificant degree of come back on financing. This is fundamental for that blast and enhancement of the organization and also to address the particular expense of funds. Monetary making plans is in such as manner needed with regard to the satisfaction associated with an association. Set resource shape, effect examination, security control styles, etc usually are made in typically the long - timeframe assessment.

5. Horizontal analysis:

This is usually known as strong examination. At typically the point when funds related proclamations above a year or two could possibly be respected and evaluated, the assessment is usually called even examination. The instructing of any relative case is surely an occurrence of this specific sort of assessment.

6. Vertical analysis:

This specific is alluded to be able to as static exploration. In this sort of examination, the portion is determined coming from the one :yr asset record or through the merely - per year profit and misfortune bank account. This is employed handiest for quickly time-frame exploration.

• Tools of financial statement analysis

1. Comparative statement or comparative financial and operating statement.

The comparative assertion yields a great appraisal of different things inside profit and misfortune charges and strength bedding of at the very least two spans. Independent similar reports usually are coordinated for cash in addition to misfortune accounts since near pay aveu and for typically the monetary record.

2. Comparative income statement

Three important sectors of records usually are gotten from around profit reports. These are generally pay, running pay out and income ends. Changes or enhancements in income with regards to business undertaking concerns could possibly be perceived since the many years movement progressed. About the off possibility that the business or improvement isn't very in every circumstance top caliber, typically the executives can uncover why and a new couple of helpful development could possibly be obtained.

3. Comparative balance sheet

The money associated situation of a good undertaking concern may be chosen via preparing a close to accounting report. Various security sheet equipment more than 2 spans have already been utilized. These house are marked because advanced property plus fixed property with regard to contrast. Moreover, financial obligations are marked because state of the particular art liabilities, considerable time-frame financial obligations and web trader charge. Net trader conditions comprise associated with reasonableness extent funds, wanted rate funds, stores and extra.

4. Common size statement

The introduction of vertical monetary information was done to arranged up an overall size explanation. Furthermore, the rupee really worth of the material of the money related articulations is not constantly considered. Within any case, simplest an interest rate were thought about to setup a standard length assure.

5. Trend analysis

Distinctive thing ratios for stand-out periods had been found and afterward in examination with this investigation. Proportion assessment over a couple of years proposes a suggestion of whether or not business endeavor issues are going up or down.

6. Average analysis

At whatever point a pattern proportion is determined for an undertaking issue, the proportion is in contrast with the venture normal. Both of these characteristics might be displayed in paper structure notwithstanding in drug structure. The introduction of information inside the state of pix makes the assessment and difference more noteworthy complete and faltering.

7. Cash flow analysis.

The charge of increment or decline in working capital can be perceived via setting up a declaration of exchange working capital. The measure of next working capital is determined through deducting the measure of advanced liabilities from the amount of present day resources. No data at the purposes behind the trade in running capital.

8. Fund flow analysis

Asset drift investigation manages the nitty gritty sourcing and utilization of business issue financial plan for a particular length. This shows the source from wherein the value range arrived from and the manner in which they were utilized all through the period under evaluation. This features a change inside the monetary state of the association.

9. Cash flow analysis

Income assessment depends absolutely on cash moves and monetary establishment adjusts. In different expressions, coins moves instead of working capital exchanges may be thought about inside the coins glide assessment.

10. Ratio analysis

Proportion examination is an attempt to extend significant connections among character items (or gathering objects) in a solidness sheet or pay and misfortune account. Proportion examination isn't best gainful for business inward practices, anyway furthermore valuable for outer occasions. Proportion assessment features liquidity, dissolvability, benefit and running capital.

11. Cost volume profit analysis

This examination clarifies the connection between deals, charges and profit. These are steady costs and variable charges. There is a consistent relationship among pay and cost factors. Cost examination permits the executives to plot higher benefits.

II. OBJECTIVES

- Know the current position.
- Eliminating discrepancies if any
- Future decision making.
- Minimize the chance of fraud.

III. LITERATURE REVIEW

1. Amansar and Timbergen (1946)

He forecasts credit benefits simply by typically focusing upon choices about cash related competitions regarding occasions and surface area finished speculative advancements taking all points together - extensive circumstances just before providing direction on Jorgensen and nishimizudin with regard to financial and development assessments all all through the planet.

2. GopalKarkal (1977)

He stated that a couple regarding regions have successfully conveyed banking office buildings, while a couple of locations are by in addition to by slacking right behind. Maybe, our consumers are immense economic backers and corporations. He transformed directly into gravitating in the direction of together with additional obligation in addition to cash needs, in addition to as an result surrendered enormous task. In the celebration that we shift confined sources to be able to little ventures, agribusiness and so about Instructions to create stores, progress in addition to so forth, Just how to endure. "Since diagrams inclusion section development successfully of which arranged and orderly, not best to open an office inside the area that did now not push forward and precluded anyway additionally give banking offices correspondingly to the metropolitan and substantial districts that create to adapt increment have gotten more mechanical, business and substitute better interest.

3. Raghupathy (1977)

gives a view at the financial area gadget that "if its objectives have not been completely executed, typically the slip-up isn't typically the duty regarding the investors. Typically the slip-up will end up being dependent after us all, unfit to become a member of the entirety regarding the powerful improvement devices into a new compelling device".

4. Shah (1977)

offers activities into lender benefit and performance. He's bugged typically the requirement for broadened costs and cost to do business. Efficiency and delivery of steady increase in light regarding inefficient bank job. He infers of which the higher likelihood could be as a result of broadened expansion and improvement has a restricted position. She values composing action depictions to build party of laborers performance. He additionally haggard diminishing charges, increasing a blast inside camaraderie in demand to development typically the monetary organization's profit and usefulness.

5. V. N. Saxena (1978)

broke lower that "Improvement regarding stock examination frames and cycles, necessary protection of blend up registers. Alter need to commence with the development of sponsorship, repairing, and counseling plans". This may be a steady tool for banks.

6.Nayan, K. (1982)

engaged in a formula across the assessment regarding the exhibition regarding business banks in addition to introductions the typical display appraisal model based mostly on the event boundaries that may be estimated with the matter.

7. Angadi and Devraj (1983)

The investigate depends on posted budget summaries rather than breaks. The creators investigate whether correspondingly to the social obligations attempted by open quarter banks, deficiencies, incapable activation of assets at decline costs; reasonable retail banking, developing income from different assets; compelling money and portfolio the executives adds to the declaration of monetary establishment usefulness and productivity. Logical examination organizations Birla (1983) directing a gander at to survey the exhibition of bank nationalization while as contrasted and banks inside the non-public quarter. The accentuation of the investigate is on nationalization targets and their accomplishments, the general by and large execution of individual banks and nationalized banks because of the way that 1969 and the results of nationalization on other financial areas. The notice proposes that the blast and improvement of banking after nationalization isn't in every case just due to ownership. Better because of the reality there are an implication of motivations and corrective measures forced via more watchful and careful after 1969 through the public authority and the Reserve monetary organization of India that the monetary establishment could adapt obligation.

8. Joshi (1986)

have tried assorted intentions in declining benefit characteristics. The notice depends on distributed data. She demonstrates intentional incomes inside the miniature and large scale stage to the financial business to determine the benefit patterns are down.

9. Master and subhrahmanyam (1993)

This clarifies about "benefit in open area banks. The examine attempts to decide a benchmark for public quarter bank loafers as far as generally execution".

10. Mannur (1996)

He said there was no need to consider the branch development strategy; and branch broadening is usually an inward administration choice in regards to the assessment of modern possibilities.

11. Sarker and Das (1997)

This became contrasted and the general execution of public, non-public, and unfamiliar banks in 1994-95 the utilization of proportions of benefit, efficiency, and money related control. He found that public area banks as contrasted substantially less solid and the contrary classes. Nonetheless, he or she exhorted that no hearty ends may be drawn from examinations redid the bearing of any month.

12. Ammanayya (1997)

In this record it's far researched whether branch logic is far more prominent considerable inside the establishing of arriving at adjusted improvement; and opportunity can be given to business banks to find branches and available one of a kind branches. An additional approach, "Business financial institutions open NRI divisions, master branches, producing branches, private financial branches, etc.

13. Tapora (1998)

specifically, he expressed that "nationalization isn't the truly amazing method of reaching countrywide establishments. inches

14. Rajendra Kumar Jam (1999)

"The public authority wants to start out making preparations a pre - modified segment to get rid of the weight of failing to meet expectations resources from the financial zone. This will likely not best increment lender liquidity, anyway will likewise acquire a revenue from an extra successful FICO examination transport device, yet, less costly, being a need zone. inches.

15. Sktenten Bert (2000)

He portrayed that, 'Opposition, Progress and Performance of the Banking Industry' inspects the income execution of the financial business in a global establishing, the case of 100 worldwide financial institutions in 1981-97.

16. R. Prasad (2002)

Inside the investigate he or she stated that "Because of client carelessness, therefore selection of misrepresentation. Specialist cards have lost an enormous total during the economic year 2001-2002. Typically the wide assortment of credit playing a card game in India is way better in contrast to inside the remaining of the field".

17. M. H. Bhide, A. Prasad, SaibalGhosh's (2002)

The view "has analyzed different disadvantages in banks after the subsequent era changes in particular liberation of loans costs, unreasonable things, direct FICO score, possession structure, legitimate offense system, and so forth ".

18. E. Eswar (2003)

He or she said, "as my commercial center builds up, then, at that point the longings of customers changes, so the placing technique should be changed. Situating is certainly not just a one timeendeavor. It is just a constant endeavor. inches

19. Bhatia (2007)

Inside his exploration he or she found that the wide assortment of NPAs has recently been considered to keep to increment and contains came at a distressing 6 rate 5 years ago which is better than the benchmark of 4 level of money related signs.

20. Guillen and Tschoegi (2008)

Banks have generally accepted commonsense changes with the aim to more readily gratify commercial center needs around the area for pristine monetary product in new serious business sectors.

CONCLUSION

The project report explain about the financial statement analysis on financial performance at lahoti motors. In this report using ratio to analyse the company performance.In the test it dissects working capital, investigates money related proclamations on monetary generally execution the utilization of proportions and diagrams. This endeavor assisted me with picking up thing new and capture the real idea of the association. The most effective method to accomplish the objective.

REFERENCES

- BhadrappaHaralayya . "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
- [2] BhadrappaHaralayya . "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
- BhadrappaHaralayya . "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
- [4] BhadrappaHaralayya . "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
- [5] BhadrappaHaralayya . "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

- [6] BhadrappaHaralayya . "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
- BhadrappaHaralayya . "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
- [8] 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.
- [9] 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.
- [10] 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.
- [11] S. Vinoth, HariLeelaVemula, BhadrappaHaralayya, PradeepMamgain, Mohammed FaezHasan, MohdNaved, 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.(htt ps://www.sciencedirect.com/science/article/pii/ S2214785321071285).
- [12] Haralayya B, Jeelan BV, Vibhute NS. Capital Structure and Factors Affecting Capital Structure. J Adv Res Eco BusiMgmt 2021; 4(2): 4-35.
- [13] Vibhute NS, Haralayya B, Jeelan BV. Performance Evaluation of Selected Banks using Ratio Analysis. J Adv Res Eco BusiMgmt 2021; 4(2): 36-44
- [14] 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

- [15] Jeelan BV, Haralayya B, Vibhute NS. A Study on Performance Evaluation of Initial Public Offering (IPO). J Adv Res Pub PoliAdmn 2021; 3(2): 12-26.
- [16] Basha VJ, Haralayya B, Vibhute NS. Analysis of Segment Reporting with Reference to Selected Software Companies. J Adv Res EntrepInnov SMES Mgmt 2021; 4(2): 9-26.
- [17] 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.
- [18] Jeelan BV, Haralayya B, Vibhute NS. A Comparative Study on Selected Foreign Currencies. J Adv Res Eco BusiMgmt 2021; 4(2): 45-5
- [19] BhadrappaHaralayya . "A Study on Customer Satisfaction at TVS Vanish Motors Bidar" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 117-127
- [20] BhadrappaHaralayya . "Consumer Buying Behavior at Kailash Motors Bidar" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 128-137
- [21] BhadrappaHaralayya . "Credit Risk of Canara Bank Bidar" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 138-149
- [22] BhadrappaHaralayya . "Effect of Branding on Consumer Buying Behaviour in Bharat Ford Bidar" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 150-159
- [23] BhadrappaHaralayya . "Employee Engagement at Kharanja Industry Pvt Ltd Humanbad" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 160-170
- [24] BhadrappaHaralayya . "Employee Performance Appraisal at Sri Veerabhadreshwar Motors Bidar" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 171-183
- [25] BhadrappaHaralayya . "Employees Traning and Development at Mgssk Ltd Bhalki" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 184-196
- [26] BhadrappaHaralayya . "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

- [27] BhadrappaHaralayya . "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
- [28] BhadrappaHaralayya . "Sales Promotion at Keshva Enterprise Bidar" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 223-232
- [29] BhadrappaHaralayya . "The Impact of Safety and Health Measures of Employees at KJD PharmaBidar" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 233-242
- [30] BhadrappaHaralayya . "Comparative Analysis of Mutual Funds in Geojit Financial Services Ltd Gulbarga" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 243-251
- [31] BhadrappaHaralayya . "Cost Analysis at MGSSK Bhalki" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 252-258
- [32] BhadrappaHaralayya . "Employee Compensation Management at Vani Organic Pvt Ltd Bidar" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 259-266
- [33] BhadrappaHaralayya. "Employees Performance Appraisal of Chettinad Cement Gulbarga" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 267-277
- [34] BhadrappaHaralayya . "Ratio Analysis in Muthoot Finance Ltd Aurad" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 278-284
- [35] BhadrappaHaralayya . "Study on Promotion Mix Strategy Towards Big Bazaar Bidar" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 285-291
- [36] BhadrappaHaralayya . "Study on Sales Promotion Techniques Used by VKG Bajaj at Kalaburagi" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 292-298

- [37] BhadrappaHaralayya . "Working Capital Management in Hyundai Showroom Bidar" Iconic Research And Engineering Journals Volume 5 Issue 9 2022 Page 299-308
- [38] BhadrappaHaralayya "Study on Performance Evaluation of Mutual Funds" Iconic Research And Engineering Journals Volume 5 Issue 10 2022 Page 29-36
- [39] BhadrappaHaralayya . "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
- [40] BhadrappaHaralayya . "Risk And Return Analysis of Mutual Funds with Reference to Banks" Iconic Research And Engineering Journals Volume 5 Issue 10 2022 Page 45-55
- [41] BhadrappaHaralayya . "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
- [42] BhadrappaHaralayya, Mamta "Review on Mutual Funds in Financial Services" Quest Journal of Research in Business and Management ,Volume 10,Issue 5 2022 Pages 77-82.
- [43] 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.
- [44] HARALAYYA, BHADRAPPA. "CHANGE IN CONSUMER BUYING BEHAVIOR: INCLINATION TOWARD E-COMMERCE COMPANIES." International Journal of Early Childhood Special Education 14.5 (2022).
- [45] HaralayyaBhadrappa, "Financial Management" KD Publication ,2022
- [46] 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.
- [47] 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.

- [48] 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.
- [49] 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, 1-5. doi: pp. 10.1109/ICKECS56523.2022.10060807.
- [50] 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.
- [51] 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.
- [52] V. S. Kumar, M. Sakthivel, D. A. Karras, S. Kant Gupta, S. M. ParambilGangadharan 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.

- [53] Haralayya, B. 5. The Impact of AI on Consumerism.
- [54] Khan, B., Kumar, P., Soubhari, T., Haralayya, B., &Priya, U. DATA PERFORMANCE ON COMPARATIVE STUDY OF PUBLIC SECTOR AND PRIVATE SECTOR BANKS IN INDIA.
- [55] 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.
- [56] HARALAYYA, B., & AITHAL, P. S. (2022). BANKS AND FINANCIAL INSTITUTION.
- [57] 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-gwilr.org/wpcontent/uploads/2021/06/Bhadrappa-Haralayya.pdf
- [58] 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/v iew/791/242
- [59] 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://archivegwilr.org/wpcontent/uploads/2021/06/Bhadrappa-Haralayya-

1.pdf

[60] 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),Volume: 2, Issue: 5, May 2021, Page No : 184-194.Available at : http://irjhis.com/paper/IRJHIS2105025.pdf

- [61] BhadrappaHaralayya ; 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
- [62] BhadrappaHaralayya 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/is sue-pdf/41580.pdf
- [63] BhadrappaHaralayya 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/articl e/view/778/749.
- [64] BhadrappaHaralayya, 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/docume nt_file/Bhadrappa_Haralayyaqscw.pdf
- [65] BHADRAPPA HARALAYYA, P.S.AITHAL, FACTORS DETERMINING THE EFFICIENCY IN INDIAN BANKING SECTOR : Α TOBIT REGRESSION ANALYSIS", International Journal of Science Engineering Development & Research (www.ijsdr.org), Vol.6, Issue 6, June-2021, 6, Available page no.1 :http://www.ijsdr.org/papers/IJSDR2106001.pdf
- [66] 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
- [67] 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/IJIRT1515 14_PAPER.pdf

- [68] BHADRAPPA HARALAYYA, STUDY OF BANKING SERVICES PROVIDED BY BANKS IN INDIA, International Research Journal of Humanities and Interdisciplinary Studies (www.irjhis.com), Volume: 2, Issue: 6, Year: June 2021,Page No : 06-12, Available at : http://irjhis.com/paper/IRJHIS2106002.pdf.
- [69] BHADRAPPA HARALAYYA, P.S.AITHAL, ANALYSIS OF BANK PERFORMANCE USING CAMEL APPROACH", International Journal of Emerging Technologies and Innovative Research (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
- [70] 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/o71lh776opeypauvzucp9e sntjwur9zf
- [71] 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_IN TER_NC1.pdf
- [72] BHADRAPPA HARALAYYA, P.S.AITHAL, ANALYSIS OF TOTAL FACTOR PRODUCTIVITYAND 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
- [73] 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/28june2021.pdf

- [74] BhadrappaHaralayya, 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
- [75] Haralayya B. Importance of CRM in Banking and Financial Sectors Journal of Advanced Research in Quality Control and Management 2021, 6(1): 8-9
- [76] 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
- [77] 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.
- [78] 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
- [79] 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
- [80] Nitesh S Vibhute ;Dr.Chandrakant B. Jewargi ; Dr.BhadrappaHaralayya . "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
- [81] 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

- [82] 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
- [83] 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.
- [84] 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 htt p://dx.doi.org/10.2139/ssrn.3844432
- [85] Haralayya, Dr.Bhadrappa, Study on Performance of Foreign Banks in India (APRIL 2, 2016). Available at SSRN: https://ssrn.com/abstract=3844403 or htt p://dx.doi.org/10.2139/ssrn.3844403
- [86] Haralayya, Dr.Bhadrappa, E-Finance and the Financial Services Industry (MARCH 28, 2014). Available at SSRN: https://ssrn.com/abstract=3844405 or htt p://dx.doi.org/10.2139/ssrn.3844405
- [87] Haralayya, Dr.Bhadrappa, E-payment An Overview (MARCH 28, 2014). Available at SSRN: https://ssrn.com/abstract=3844409 or htt p://dx.doi.org/10.2139/ssrn.3844409.
- [88] BhadrappaHaralayya. "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
- [89] BhadrappaHaralayya . "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
- [90] BhadrappaHaralayya . "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

- [91] BhadrappaHaralayya . "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
- [92] BhadrappaHaralayya . "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
- [93] BhadrappaHaralayya . "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/17027972 .pdf
- [94] BhadrappaHaralayya . "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
- [95] BhadrappaHaralayya . "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
- [96] BhadrappaHaralayya . "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
- [97] 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

- [98] Haralayya, Dr.Bhadrappa, Top 10 Ways to Improve the Communication Skills (JUNE 20, 2016). Available at SSRN: https://ssrn.com/abstract=3844410 or htt p://dx.doi.org/10.2139/ssrn.3844410
- [99] Haralayya, Dr.Bhadrappa, Multi-Inter-Trans Disciplinary Research Towards Management and Commerce (July 25, 2016). Available at SSRN: https://ssrn.com/abstract=3847404
- [100] BhadrappaHaralayya . "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/170283 1.pdf