# **INTERNATIONAL JOURNAL OF RESEARCH IN COMPUTER APPLICATION & MANAGEMENT**

A Monthly Double-Blind Peer Reviewed (Refereed/Juried) Open Access International e-Journal - Included in the International Serial Directories

\*Indexed & Listed at:\*\*

Ulrich's Periodicals Directory ©, ProQuest, U.S.A., Cabell's Directories of Publishing Opportunities, U.S.A., Google Scholar,

Index Copernicus Publishers Panel, Poland with IC Value of 5.09 (2012) & number of libraries all around the world.

Circulated all over the world & Google has verified that scholars of more than 7144 Cities in 197 countries/territories are visiting our journal on regular basis.

Ground Floor, Building No. 1041-C-1, Devi Bhawan Bazar, JAGADHRI – 135 003, Yamunanagar, Haryana, INDIA

# **CONTENTS**

Sr. No.	TITLE & NAME OF THE AUTHOR (S)		
1.	OPTIMUM UTILISATION OF SUB-STAFF IN BANKS: A		
	SUGGESTED TRAINING MODEL BASED ON A STUDY		
	Dr. D.V.RAMANA MURTHY		
2.	A STUDY ON ENHANCEMENT OF CONTAINER CARGO		
	HANDLING PRODUCTIVITY FOR A PSU ORGANISATION IN TAMILNADU		
	Dr. S. SELVABASKAR & D DHAYA SHANKAR		
	REQUEST FOR FEEDBACK & DISCLAIMER	9	

#### FOUNDER PATRON

#### Late Sh. RAM BHAJAN AGGARWAL

Former State Minister for Home & Tourism, Government of Haryana Former Vice-President, Dadri Education Society, Charkhi Dadri Former President, Chinar Syntex Ltd. (Textile Mills), Bhiwani

#### CO-ORDINATOR

#### Dr. BHAVET

Former Faculty, Shree Ram Institute of Engineering & Technology, Urjani

#### ADVISOR

#### Prof. S. L. MAHANDRU

Principal (Retd.), Maharaja Agrasen College, Jagadhri

#### EDITOR.

#### Dr. PARVEEN KUMAR

Professor, Department of Computer Science, NIMS University, Jaipur

#### CO-EDITOR.

#### Dr. A. SASI KUMAR

Professor, Vels Institute of Science, Technology & Advanced Studies (Deemed to be University), Pallavaram

#### EDITORIAL ADVISORY BOARD

#### Dr. CHRISTIAN EHIOBUCHE

Professor of Global Business/Management, Larry L Luing School of Business, Berkeley College, USA

#### Dr. SIKANDER KUMAR

Vice Chancellor, Himachal Pradesh University, Shimla, Himachal Pradesh

#### Dr. JOSÉ G. VARGAS-HERNÁNDEZ

Research Professor, University Center for Economic & Managerial Sciences, University of Guadalajara, Guadalajara, Mexico

#### **Dr. RAJENDER GUPTA**

Convener, Board of Studies in Economics, University of Jammu, Jammu

#### Dr. D. S. CHAUBEY

Professor & Dean (Research & Studies), Uttaranchal University, Dehradun

#### **Dr. TEGUH WIDODO**

Dean, Faculty of Applied Science, Telkom University, Bandung Technoplex, Jl. Telekomunikasi, Indonesia

#### Dr. S. P. TIWARI Head, Department of Economics & Rural Development, Dr. Ram Manohar Lohia Avadh University, Faizabad

**Dr. BOYINA RUPINI** 

Director, School of ITS, Indira Gandhi National Open University, New Delhi

#### **Dr. KAUP MOHAMED**

Dean & Managing Director, London American City College/ICBEST, United Arab Emirates

#### Dr. MIKE AMUHAYA IRAVO

Principal, Jomo Kenyatta University of Agriculture & Tech., Westlands Campus, Nairobi-Kenya

#### Dr. M. S. SENAM RAJU

Professor, School of Management Studies, I.G.N.O.U., New Delhi

#### Dr. NEPOMUCENO TIU

Chief Librarian & Professor, Lyceum of the Philippines University, Laguna, Philippines

#### Dr. A SAJEEVAN RAO

Professor & Director, Accurate Institute of Advanced Management, Greater Noida

#### Dr. H. R. SHARMA

Director, Chhatarpati Shivaji Institute of Technology, Durg, C.G.

#### Dr. CLIFFORD OBIYO OFURUM

Professor of Accounting & Finance, Faculty of Management Sciences, University of Port Harcourt, Nigeria

#### Dr. SHIB SHANKAR ROY

Professor, Department of Marketing, University of Rajshahi, Rajshahi, Bangladesh

#### Dr. MANOHAR LAL

Director & Chairman, School of Information & Computer Sciences, I.G.N.O.U., New Delhi

#### Dr. SRINIVAS MADISHETTI

Professor, School of Business, Mzumbe University, Tanzania

#### Dr. VIRENDRA KUMAR SHRIVASTAVA

Director, Asia Pacific Institute of Information Technology, Panipat

#### Dr. VIJAYPAL SINGH DHAKA

Professor & Head, Department of Computer & Communication Engineering, Manipal University, Jaipur

#### Dr. NAWAB ALI KHAN

Professor & Dean, Faculty of Commerce, Aligarh Muslim University, Aligarh, U.P.

#### Dr. EGWAKHE A. JOHNSON

Professor & Director, Babcock Centre for Executive Development, Babcock University, Nigeria

#### Dr. ASHWANI KUSH

Head, Computer Science, University College, Kurukshetra University, Kurukshetra

#### Dr. ABHAY BANSAL

Head, Department of Information Technology, Amity School of Engg. & Tech., Amity University, Noida

#### Dr. BHARAT BHUSHAN

Head, Department of Computer Science & Applications, Guru Nanak Khalsa College, Yamunanagar

#### **MUDENDA COLLINS**

Head, Operations & Supply Chain, School of Business, The Copperbelt University, Zambia

#### Dr. JAYASHREE SHANTARAM PATIL (DAKE)

Faculty in Economics, KPB Hinduja College of Commerce, Mumbai

#### Dr. MURAT DARCIN

Associate Dean, Gendarmerie and Coast Guard Academy, Ankara, Turkey

#### **Dr. YOUNOS VAKIL ALROAIA**

Head of International Center, DOS in Management, Semnan Branch, Islamic Azad University, Semnan, Iran

#### P. SARVAHARANA

Asst. Registrar, Indian Institute of Technology (IIT), Madras

#### **SHASHI KHURANA**

Associate Professor, S. M. S. Khalsa Lubana Girls College, Barara, Ambala

#### Dr. SEOW TA WEEA

Associate Professor, Universiti Tun Hussein Onn Malaysia, Parit Raja, Malaysia

#### Dr. OKAN VELI ŞAFAKLI

Professor & Dean, European University of Lefke, Lefke, Cyprus

#### **Dr. MOHINDER CHAND**

Associate Professor, Kurukshetra University, Kurukshetra

#### **Dr. BORIS MILOVIC**

Associate Professor, Faculty of Sport, Union Nikola Tesla University, Belgrade, Serbia

#### **Dr. IQBAL THONSE HAWALDAR**

Associate Professor, College of Business Administration, Kingdom University, Bahrain

#### Dr. MOHENDER KUMAR GUPTA

Associate Professor, Government College, Hodal

#### **Dr. ALEXANDER MOSESOV**

Associate Professor, Kazakh-British Technical University (KBTU), Almaty, Kazakhstan

#### Dr. MOHAMMAD TALHA

Associate Professor, Department of Accounting & MIS, College of Industrial Management, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia

#### Dr. ASHOK KUMAR CHAUHAN

Reader, Department of Economics, Kurukshetra University, Kurukshetra

#### Dr. RAJESH MODI

Faculty, Yanbu Industrial College, Kingdom of Saudi Arabia

#### **WILLIAM NKOMO**

Asst. Head of the Department, Faculty of Computing, Botho University, Francistown, Botswana

#### **YU-BING WANG**

Faculty, department of Marketing, Feng Chia University, Taichung, Taiwan

#### **Dr. SHIVAKUMAR DEENE**

Faculty, Dept. of Commerce, School of Business Studies, Central University of Karnataka, Gulbarga

#### **Dr. TITUS AMODU UMORU**

Professor, Kwara State University, Kwara State, Nigeria

#### Dr. BHAVET

Faculty, Shree Ram Institute of Engineering & Technology, Urjani

#### **Dr. THAMPOE MANAGALESWARAN**

Faculty, Vavuniya Campus, University of Jaffna, Sri Lanka

#### Dr. ASHISH CHOPRA

Faculty, Department of Computer Applications, National Institute of Technology, Kurukshetra **SURAJ GAUDEL** 

BBA Program Coordinator, LA GRANDEE International College, Simalchaur - 8, Pokhara, Nepal

#### Dr. SAMBHAVNA

Faculty, I.I.T.M., Delhi

#### **Dr. LALIT KUMAR**

Course Director, Faculty of Financial Management, Haryana Institute of Public Administration, Gurugram

#### FORMER TECHNICAL ADVISOR

**AMITA** 

#### FINANCIAL ADVISOR

#### **NEENA**

Investment Consultant, Chambaghat, Solan, Himachal Pradesh

#### LEGAL ADVISORS

#### **JITENDER S. CHAHAL**

Advocate, Punjab & Haryana High Court, Chandigarh U.T.

#### **CHANDER BHUSHAN SHARMA**

Advocate & Consultant, District Courts, Yamunanagar at Jagadhri

#### SUPERINTENDENT

**SURENDER KUMAR POONIA** 

1.

Alternate E-mail Address

Nationality

#### CALL FOR MANUSCRIPTS

We invite unpublished novel, original, empirical and high quality research work pertaining to the recent developments & practices in the areas of Computer Science & Applications; Commerce; Business; Finance; Marketing; Human Resource Management; General Management; Banking; Economics; Tourism Administration & Management; Education; Law; Library & Information Science; Defence & Strategic Studies; Electronic Science; Corporate Governance; Industrial Relations; and emerging paradigms in allied subjects like Accounting; Accounting Information Systems; Accounting Theory & Practice; Auditing; Behavioral Accounting; Behavioral Economics; Corporate Finance; Cost Accounting; Econometrics; Economic Development; Economic History; Financial Institutions & Markets; Financial Services; Fiscal Policy; Government & Non Profit Accounting; Industrial Organization; International Economics & Trade; International Finance; Macro Economics; Micro Economics; Rural Economics; Co-operation; Demography: Development Planning; Development Studies; Applied Economics; Development Economics; Business Economics; Monetary Policy; Public Policy Economics; Real Estate; Regional Economics; Political Science; Continuing Education; Labour Welfare; Philosophy; Psychology; Sociology; Tax Accounting; Advertising & Promotion Management; Management Information Systems (MIS); Business Law; Public Responsibility & Ethics; Communication; Direct Marketing; E-Commerce; Global Business; Health Care Administration; Labour Relations & Human Resource Management; Marketing Research; Marketing Theory & Applications; Non-Profit Organizations; Office Administration/Management; Operations Research/Statistics; Organizational Behavior & Theory; Organizational Development; Production/Operations; International Relations; Human Rights & Duties; Public Administration; Population Studies; Purchasing/Materials Management; Retailing; Sales/Selling; Services; Small Business Entrepreneurship; Strategic Management Policy; Technology/Innovation; Tourism & Hospitality; Transportation Distribution; Algorithms; Artificial Intelligence; Compilers & Translation; Computer Aided Design (CAD); Computer Aided Manufacturing; Computer Graphics; Computer Organization & Architecture; Database Structures & Systems; Discrete Structures; Internet; Management Information Systems; Modeling & Simulation; Neural Systems/Neural Networks; Numerical Analysis/Scientific Computing; Object Oriented Programming; Operating Systems; Programming Languages; Robotics; Symbolic & Formal Logic; Web Design and emerging paradigms in allied subjects.

Anybody can submit the **soft copy** of unpublished novel; original; empirical and high quality **research work/manuscript anytime** in **M.S. Word format** after preparing the same as per our **GUIDELINES FOR SUBMISSION**; at our email address i.e. **infoijrcm@gmail.com** or online by clicking the link **online submission** as given on our website (**FOR ONLINE SUBMISSION, CLICK HERE**).

#### **GUIDELINES FOR SUBMISSION OF MANUSCRIPT**

donamias i vit sopimoron (	<u> </u>
COVERING LETTER FOR SUBMISSION:	
	DATED:
THE EDITOR	
IJRCM	
Subject: SUBMISSION OF MANUSCRIPT IN THE AREA OF	
(e.g. Finance/Mkt./HRM/General Mgt./Engineering/Economics/Computer/specify)	IT/ Education/Psychology/Law/Math/other, please
DEAR SIR/MADAM	
Please find my submission of manuscript titled 'your journals.	
I hereby affirm that the contents of this manuscript are original. Furthermore fully or partly, nor it is under review for publication elsewhere.	, it has neither been published anywhere in any language
I affirm that all the co-authors of this manuscript have seen the submitted vertheir names as co-authors.	ersion of the manuscript and have agreed to inclusion of
Also, if my/our manuscript is accepted, I agree to comply with the formalitie discretion to publish our contribution in any of its journals.	es as given on the website of the journal. The Journal has
NAME OF CORRESPONDING AUTHOR	:
Designation/Post*	:
Institution/College/University with full address & Pin Code	:
Residential address with Pin Code	:
Mobile Number (s) with country ISD code	:
Is WhatsApp or Viber active on your above noted Mobile Number (Yes/No)	:
Landline Number (s) with country ISD code	:
E-mail Address	:

<sup>\*</sup> i.e. Alumnus (Male Alumni), Alumna (Female Alumni), Student, Research Scholar (M. Phil), Research Scholar (Ph. D.), JRF, Research Assistant, Assistant Lecturer, Lecturer, Senior Lecturer, Junior Assistant Professor, Assistant Professor, Senior Assistant Professor, Co-ordinator, Reader, Associate Professor, Professor, Head, Vice-Principal, Dy. Director, Principal, Director, Dean, President, Vice Chancellor, Industry Designation etc. <u>The qualification of author is not acceptable for the purpose</u>.

#### NOTES:

- a) The whole manuscript has to be in **ONE MS WORD FILE** only, which will start from the covering letter, inside the manuscript. <u>pdf.</u> <u>version</u> is liable to be rejected without any consideration.
- b) The sender is required to mention the following in the SUBJECT COLUMN of the mail:
  - **New Manuscript for Review in the area of** (e.g. Finance/Marketing/HRM/General Mgt./Engineering/Economics/Computer/IT/Education/Psychology/Law/Math/other, please specify)
- c) There is no need to give any text in the body of the mail, except the cases where the author wishes to give any **specific message** w.r.t. to the manuscript.
- d) The total size of the file containing the manuscript is expected to be below 1000 KB.
- e) Only the **Abstract will not be considered for review** and the author is required to submit the **complete manuscript** in the first instance.
- f) The journal gives acknowledgement w.r.t. the receipt of every email within twenty-four hours and in case of non-receipt of acknowledgment from the journal, w.r.t. the submission of the manuscript, within two days of its submission, the corresponding author is required to demand for the same by sending a separate mail to the journal.
- g) The author (s) name or details should not appear anywhere on the body of the manuscript, except on the covering letter and the cover page of the manuscript, in the manner as mentioned in the guidelines.
- 2. MANUSCRIPT TITLE: The title of the paper should be typed in **bold letters**, **centered** and **fully capitalised**.
- 3. AUTHOR NAME (S) & AFFILIATIONS: Author (s) name, designation, affiliation (s), address, mobile/landline number (s), and email/alternate email address should be given underneath the title.
- 4. ACKNOWLEDGMENTS: Acknowledgements can be given to reviewers, guides, funding institutions, etc., if any.
- 5. **ABSTRACT**: Abstract should be in **fully Italic printing**, ranging between **150** to **300 words**. The abstract must be informative and elucidating the background, aims, methods, results & conclusion in a **SINGLE PARA**. **Abbreviations must be mentioned in full**.
- 6. **KEYWORDS**: Abstract must be followed by a list of keywords, subject to the maximum of **five**. These should be arranged in alphabetic order separated by commas and full stop at the end. All words of the keywords, including the first one should be in small letters, except special words e.g. name of the Countries, abbreviations etc.
- 7. **JEL CODE**: Provide the appropriate Journal of Economic Literature Classification System code (s). JEL codes are available at www.aea-web.org/econlit/jelCodes.php. However, mentioning of JEL Code is not mandatory.
- 8. **MANUSCRIPT**: Manuscript must be in <u>BRITISH ENGLISH</u> prepared on a standard A4 size <u>PORTRAIT SETTING PAPER</u>. It should be free from any errors i.e. grammatical, spelling or punctuation. It must be thoroughly edited at your end.
- 9. **HEADINGS**: All the headings must be bold-faced, aligned left and fully capitalised. Leave a blank line before each heading.
- 10. **SUB-HEADINGS**: All the sub-headings must be bold-faced, aligned left and fully capitalised.
- 11. MAIN TEXT:

#### THE MAIN TEXT SHOULD FOLLOW THE FOLLOWING SEQUENCE:

INTRODUCTION

**REVIEW OF LITERATURE** 

**NEED/IMPORTANCE OF THE STUDY** 

STATEMENT OF THE PROBLEM

**OBJECTIVES** 

**HYPOTHESIS (ES)** 

RESEARCH METHODOLOGY

**RESULTS & DISCUSSION** 

**FINDINGS** 

RECOMMENDATIONS/SUGGESTIONS

CONCLUSIONS

**LIMITATIONS** 

**SCOPE FOR FURTHER RESEARCH** 

REFERENCES

APPENDIX/ANNEXURE

The manuscript should preferably be in **2000** to **5000 WORDS**, But the limits can vary depending on the nature of the manuscrip

- 12. **FIGURES & TABLES:** These should be simple, crystal **CLEAR**, **centered**, **separately numbered** & self-explained, and the **titles must be above the table/figure**. **Sources of data should be mentioned below the table/figure**. *It should be ensured that the tables/figures are*referred to from the main text.
- 13. **EQUATIONS/FORMULAE**: These should be consecutively numbered in parenthesis, left aligned with equation/formulae number placed at the right. The equation editor provided with standard versions of Microsoft Word may be utilised. If any other equation editor is utilised, author must confirm that these equations may be viewed and edited in versions of Microsoft Office that does not have the editor.
- 14. **ACRONYMS**: These should not be used in the abstract. The use of acronyms is elsewhere is acceptable. Acronyms should be defined on its first use in each section e.g. Reserve Bank of India (RBI). Acronyms should be redefined on first use in subsequent sections.
- 15. **REFERENCES**: The list of all references should be alphabetically arranged. *The author (s) should mention only the actually utilised references in the preparation of manuscript* and they may follow Harvard Style of Referencing. Also check to ensure that everything that you are including in the reference section is duly cited in the paper. The author (s) are supposed to follow the references as per the following:
- All works cited in the text (including sources for tables and figures) should be listed alphabetically.
- Use (ed.) for one editor, and (ed.s) for multiple editors.
- When listing two or more works by one author, use --- (20xx), such as after Kohl (1997), use --- (2001), etc., in chronologically ascending order.
- Indicate (opening and closing) page numbers for articles in journals and for chapters in books.
- The title of books and journals should be in italic printing. Double quotation marks are used for titles of journal articles, book chapters, dissertations, reports, working papers, unpublished material, etc.
- For titles in a language other than English, provide an English translation in parenthesis.
- Headers, footers, endnotes and footnotes should not be used in the document. However, you can mention short notes to elucidate some specific point, which may be placed in number orders before the references.

#### PLEASE USE THE FOLLOWING FOR STYLE AND PUNCTUATION IN REFERENCES:

#### BOOKS

- Bowersox, Donald J., Closs, David J., (1996), "Logistical Management." Tata McGraw, Hill, New Delhi.
- Hunker, H.L. and A.J. Wright (1963), "Factors of Industrial Location in Ohio" Ohio State University, Nigeria.

#### **CONTRIBUTIONS TO BOOKS**

 Sharma T., Kwatra, G. (2008) Effectiveness of Social Advertising: A Study of Selected Campaigns, Corporate Social Responsibility, Edited by David Crowther & Nicholas Capaldi, Ashgate Research Companion to Corporate Social Responsibility, Chapter 15, pp 287-303.

#### **JOURNAL AND OTHER ARTICLES**

• Schemenner, R.W., Huber, J.C. and Cook, R.L. (1987), "Geographic Differences and the Location of New Manufacturing Facilities," Journal of Urban Economics, Vol. 21, No. 1, pp. 83-104.

#### **CONFERENCE PAPERS**

• Garg, Sambhav (2011): "Business Ethics" Paper presented at the Annual International Conference for the All India Management Association, New Delhi, India, 19–23

#### UNPUBLISHED DISSERTATIONS

Kumar S. (2011): "Customer Value: A Comparative Study of Rural and Urban Customers," Thesis, Kurukshetra University, Kurukshetra.

#### **ONLINE RESOURCES**

Always indicate the date that the source was accessed, as online resources are frequently updated or removed.

#### **WEBSITES**

• Garg, Bhavet (2011): Towards a New Gas Policy, Political Weekly, Viewed on January 01, 2012 http://epw.in/user/viewabstract.jsp

#### OPTIMUM UTILISATION OF SUB-STAFF IN BANKS: A SUGGESTED TRAINING MODEL BASED ON A STUDY

# Dr. D.V.RAMANA MURTHY FOUNDER DIRECTOR ATTITUDE+VE BEHAVIOUR MANAGEMENT TRAINING SOLUTIONS HYDERABAD

#### **ABSTRACT**

Out of total work force in a Bank, the subordinate staff which comprises of messenger, daftaries etc., constitute nearly 25 percent. Historically, their role has been taken for granted i.e., doing menial jobs, moving vouchers from one counter to other; stitching vouchers; accompanying cash remittances etc. In spite of the fact that they are the best paid class of employees to their counter-parts in other sectors, it is generally reported that more often, than not they are found to adopt restrictive practices, remain unpunctual; indulge in frequent absenteeism, and adopt restrictive practices in serving the customers. It has been argued by many that the training needs of sub staff are not identified and training colleges of different commercial banks play a very little interest in training their subordinate staff. With the emergence of competition, the banks with customized service offerings need to fine tune their subordinate staff in handling service encounters with customers. Subordinate staff needs to reorient themselves to face the challenges of 21st century banking. These are the first contact people who can help the customers in variety of ways at the branch.

#### **KEYWORDS**

subordinate staff, training, bipartite settlements, organizational remoteness.

#### **JEL CODE**

M53

#### INTRODUCTION

ubordinate staffs are not properly identified with the organization. In this situation organisational remoteness occurs for them. They become insignificant in organisation which results in their cold and indifferent attitudes and behavior. There is a felt need for bottom line training – (training subordinate staff) in Banks. There ego needs are satisfied when they are exposed to training through interaction. This study is a modest attempt to identify the training related attitudes and requirements of subordinate staff in a Nationalized Bank in Andhra Pradesh.

#### **OBJECTIVES**

The objectives of the study are as per following:

- 1. To conduct training needs survey of selected sample in respect of subordinate staff of a Nationalised bank in two regions of Andhra Pradesh.
- 2. To identify their training requirements and training related attitudes in view of their present job as well as potential.
- To suggest training model and methodology.

#### **METHODOLOGY**

The biggest regions of the Nationalised Bank in Andhra Pradesh with largest number of its offices are chosen for a sample survey. In these two regions sample branches are chosen selectively and a survey is conducted using a questionnaire. The study is a comprehensive study on various aspects of human factor in banks. Detailed discussions are held with officers and clerks on the present role as well as potential of subordinate staff. Detailed discussions are held with subordinate staff on their aspirations and training. Content analysis of the discussions are summarized below.

#### **FINDINGS**

The indifferent attitudes of subordinate staff, and the extent to which restrictive practices are followed, are indicated through some of the typical remarks of subordinate staff in different branches.

- 1. "Serving water is not my responsibility"
- 2. "I am an upper caste, I can serve water I will not wash the glass".
- 3. "I will not lift the shutter of the gate; my energy is wasted and the Bank cannot pay me any allowance for the same".
- 4. "My designation is peon, I will not clean the premises."
- 5. "I am daftory-my jobs are to stich vouchers and arrange files-I cannot be expected to do general work".
- 6. "I will not bring tea, snacks, etc., it is not my work, the bank cannot force me to do this job".
- 7. Head peon says, "How can the Branch Manager change duties of any peon without my consent?"

It is to be noted here that the customer service is severely hit, when subordinate staff indulge in such restrictive practices quite often. Branch Managers and officers are helpless some times in managing with this situation. Some of the typical remarks of Branch Managers and Officers given below reveal this:

- "Sub-staff are a five star class in a Bank".
- 2. "I am not sure whether I can serve a glass of water to my clients".
- 3. "I cannot get things done with them through formal authority".
- 4. "They are a real privileged class having no responsibilities, yet all the benefits".
- 5. "They never wear uniforms, still if there is delay of one day in providing uniforms, they threaten to stop work".

Everyone who is interested in this area is compelled to ask "Why such a state of affairs?".

The reasons observed to be are two:

#### A) BIPARTITE SETTLEMENT

The Bipartite settlement provides a number of allowances to subordinate staff to do one or the other job. The Bi-partite settlement clearly provides that special allowance is paid for performing work requiring special skills over and above normal duties as peon; but after getting the allowance they hardly do normal work of a peon which greatly hampers customer service

#### B) UNION

Bank unions have come to stay out of 'Conventional approach' and taking fullest advantage of their numerical strength. Union leaders themselves are highly critical about rampant indiscipline amongst subordinate staff but they too are helpless because, it is a matter of unions survival. However, many of the sub-staff are found to be very painstaking and intelligent but they feel frustrated when confronted to work with a majority of irresponsible and allowance conscious staff. At times they have very good suggestions to offer. They also want outlet for their feelings. They need to be communicated as to how one can contribute to organizational

effectiveness. The best can be gained from them, if only there is time and machinery to counsel them. The reasons for mounting indiscipline and indifference could be:

- Lack of communication within the branch.
- Lack of understanding of the expected role and contribution.
- Lack of timely action by management,
- Over-protection by unions

The first two reasons related to behavioral aspect of the problem and it is felt they could be tackled by exposing the subordinate staff to class room training so that in an environment of learning, their problems are better known and they too can be counselled for various misconceptions they develop about their role viz., rights and duties.

#### THE SUGGESTED TRAINING MODEL & METHODOLOGY:

Realizing the problem of mounting indiscipline amongst subordinate staff such as irregular attendance, delaying customers' transactions through indifference towards work or resorting to restrictive practices, suggestion is made to organize class room training for subordinate staff with a view to bring attitudinal change towards work and, also making them realize their role in customer service and in good house- keeping. Many of the sub staff are keen on training themselves in a training environment if opportunity arises. It is felt here, that the sub staff ego needs are satisfied once they are brought to the training environment. Here they can interact freely with the top officers of the Bank, get the doubts clarified. If proper care is taken, the bank can easily develop training – learning environment for these sub staff and thus arresting organizational remoteness in them. Some of the sub staff stated that they can help improving the customers' service by:

- Welcoming customers with helping hand
- Serving them water

Offering them seats and making them comfortable in the branch

- Providing stationery etc.,
- Polite behaviour
- Regularity
- Honesty

#### THE MODEL

The capsule pilot project as given below is to be tried at least on the experimental basis in the Branch.

Number of participants: 25 to 35

Training Environment: Other than the Bank preferably Training Centre.

#### Trainina Techniques

STEP- I: Back ground papers in the following subjects are to be prepared and distributed to the participants well in advance. The background papers are to be brought out in the regional language only.

- Importance of customer service in a Bank.
- 2. Do's and Don'ts when customers approach.
- 3. Bank's position as premier banking institution and keeping it up was part of the job of sub staff.
- 4. How the bank helps the common man; in the branch. Flow chart of work etc.,
- 5. Core banking solutions.
- 6. E products.
- 7. Alternate delivery channels
- 8. Banking Industry Trends and challenges etc.,

STEP – II: Brief talks in regional language are to be organized on the following topics.

- 1. Basic Communication Process and Skills.
- 2. Services Marketing with reference to banking services.
- 3. Service Delivery Service failure and service recovery.
- 4. Types of customers and their needs
- 5. Important books of the bank and their purpose:
- 6. Safety aspects relating to vouchers, books and records of the Bank;
- 7. The role of subordinate staff in the bank's organizational set up and their future care.
- 8. Banks expectation from the subordinate staff
- 9. Importance discipline in everyday life and morals and ethical values.
- 10. Basics of core banking, banking products including e products.

As far as possible one of the management officials are to be associated with these talks. Union federation leaders are also to be associated with these talks.

STEP-III: Group discussions are to be held on the topics like

- 1. How members of the subordinate staff can contribute to better customer service:
- 2. How the branch work can be done quicker and better;
- 3. What should be the nature of behavior of subordinate staff with other members?
- 4. Interface with a few selected customers i.e., depositors and borrowers.

#### TRAINING METHODOLOGY

Due to inadequate literacy level of the subordinate staff, the training methodology can be as follows.

- 1. Lectures in regional language.
- 2. Group Discussions
- 3. Interface with difficult customers
- 4. Role play technique
- Case Study discussion

The entire programme is to be conducted in regional language and the guest speakers/trainers are to be requested to deal with their respective subjects and lead discussions in regional language only.

#### **FELLOWSHIP**

During the course period several senior executives and union stewards should participate with the trainees in fellowship. ie, having tea and snacks and lunch with the trainees. This will definitely serve as powerful booster to give emotional encouragement to participants and their ego needs get satisfied. What is needed is more imaginative break through and wider coverage of such training programmes. A systematic training effort followed by regular machinery to look onto the problems of subordinate staff can definitely bring the desired results in terms of better manpower utilization and in serving the customers better.

#### APPROACH

The training module is class room oriented with lectures, illustrations, discussions, case studies, experience sharing etc.

Clusters: The programmes shall be conducted in various centres adopting a cluster approach to ensure effective participation covering all banks in the area. Duration: 8 -10 sessions of Hr 1.15 minutes

Batch size: 30-35

Sponsors: Public Sector Banks

Objective of the programme

A definite contribution from the sub-ordinate staff to the organization by channelizing the following areas of their core strength for effective functioning of the branch:

- 1. They get information of the people having surplus funds to invest; Staff in different organization close to superannuation, remittances from abroad
- 2. Collection of reliable information for preparation of credit information report
- 3. Identifying pressure points in case of wilful defaulters
- 4. Identification of borrowers for renewal of documents

#### **ACKNOWLEDGEMENT**

The content of this paper is a part of the report on minor research project taken up by the author on Human Factor in Banks – A study of some aspects in a Nationalized Bank in Andhra Pradesh.

#### **REFERENCES**

- 1. Bhaskaran S, (2005), "Changing Faces of Indian Banking", Professional Banker, October, P-240.
- 2. Leeladhar V (2005), "Emerging Challenges before the Indian Banks-The Road Ahead", Seminar Speech at annual foundation day of Dena Bank, P-33.
- 3. Merica Malar & Ravi S Vaddy, (2008), Indian Banks and Basel Norms, Professional Banker, April, P-33.
- 4. Narasimhan, M (1984), "Some Reflections on Banking Scene", The Economic Times, March 31st, Calcutta.
- 5. Pareek,U & Rao, T.V (1982), "Designing and Managing Human Resource Systems", Oxford & IBH, New Delhi.
- 6. Prasad A & GhoshSaibal, (2007), "Competition in Indian Banking", South Asia Economic Journal, Vol 18, No 2, P-267.
- 7. Raghavan RS (2008), "Basel II, The Way Forward for Banks", Journal of Institute of Chartered Accountants of India, Vol 56, No 10.
- 8. Rao, T.V (1980), The HRD Missionary, Oxford & IBH, New Delhi.
- 9. V.Leeladhar (2006) "Recent Banking Development in India", BIS Working Paper, No 28, P-240.

# A STUDY ON ENHANCEMENT OF CONTAINER CARGO HANDLING PRODUCTIVITY FOR A PSU ORGANISATION IN TAMILNADU

Dr. S. SELVABASKAR
ASSOCIATE PROFESSOR
SCHOOL OF MANAGEMENT
SASTRA UNIVERSITY
THANJAVUR

D DHAYA SHANKAR
STUDENT
SCHOOL OF MANAGEMENT
SASTRA UNIVERSITY
THANJAVUR

#### **ABSTRACT**

Container cargo handling is a decisive factor in determining the port productivity and the effective container handling has become an issue due to the increase in the containerization. The purpose of this study is to identify the factors impacting more to the container handling of PSU organization. The primary objective of the paper is to find out those impacting factors which are significant in enhancing the productivity of the container cargo handling. The researcher has made the analysis on the Secondary data obtained from the company over the key performance indicators for the entire financial year 2015-16. From the identified factors, the analysis is made for these factors in order to find out the original factors to be enhanced for improving the container handling productivity. The collected data have been analyzed using appropriate statistical tools.

#### **KEYWORDS**

container cargo handling, productivity, public sector performance.

#### **JEL CODE**

R40

#### INTRODUCTION

aterial handling involves short-distance movement within the confines of a building or between buildings and a transportation vehicle. It utilizes a wide range of manual, semi-automated, and automated equipment and includes consideration of the protection, storage, and control of materials throughout their manufacturing, warehousing, distribution, consumption, and disposal. Material handling can be used to create time and place utility through the handling, storage, and control of material, as distinct from manufacturing, which creates form utility by changing the shape, form, and makeup of material. Containerized cargo carrying is being increasingly popular worldwide. The container cargo handling mainly concerns with the container stowage and safe handling in port, care at sea, stacking weights, cargo securing prior departure port, Lashing Strength, Dangerous Cargo Stowage & Segregation, handling Reefer units, Special Container Stowage, Irregular Stowage of Containers, Over-stow of Containers, safety of navigation, Hull strength & stability, stevedores injury and reporting, Hatch Cover Clearance (High cube containers Under Deck), & Other matters regarding cargo stowage as necessary and many more detail topics related with containership

#### LITERATURE REVIEW

operation and business.

Akincilar, (2013) explains that study was to design an in-house container handling system that could be efficient for the production it serves by identifying the problems and evaluating them with statistical tools.

Bahale, (2014) says that the material handling cannot be avoided in logistics, but can certainly be reduced to minimum levels.

Beamon, (2005) says that the container handling system in any manufacturing setting plays an important part in the performance indicator in the port.

Chen, (2009) states that the management of container terminal operations is essentially the allocation and scheduling of the expensive resources such as berths, quay cranes, storage space, yard cranes, and container carriers.

Dongre, (2015) In his paper the author states that it is an attempt made to review the considerations for material flow design

Jager, (2008) states that the increasing in demand of the container cargo needs to be addressed periodically as the availability of resources has to be improved in order to sustain the profitability.

Sie, (2006) says that the transfer of material safely within the organization is very important by reducing the damages caused and minimizing the travel time of the material movement.

**Tranberg, (2009)** in his paper deals with the objective of the container positioning problem (CPP) to minimize the total handling time in the block, i.e. the time required for storage and reshuffling of containers.

Vieira, (2011) states that the Materials handling has direct influence on transit time, resources usage, and service levels.

#### NEED FOR THE STUDY

The study relating to the enhancement of the container cargo handling is very much required in order to improve the efficiency of the logistics operations of the containers. The containerization has wide spread usage and most of the transportation of goods in ports takes place through the containers. Therefore, this study is very important to explore the different ways of enhancing the productivity of container cargo handling.

#### STATEMENT OF THE PROBLEM

The container cargo contributes more to the overall productivity and the profit generated through the container cargo is comparably higher. The port which is having such a huge demand is facing an important problem with regard to storage space of the container cargo. The total ground storage capacity available for the container storage and handling is only 3.60 Million Total Equivalent Units whereas the berth handling capacity is 4.62 Million Total Equivalent Units. The capacity of the organisation in container handling is limited by the storage space available with them. The other major problem is the limitations in the material handling methods and lack of advancement of modern technologies. This capacity constrain would limit the organization's operations which ultimately affects their profit margin and productivity. This study suggests the ways to enhance the cargo container handling which results in improved productivity.

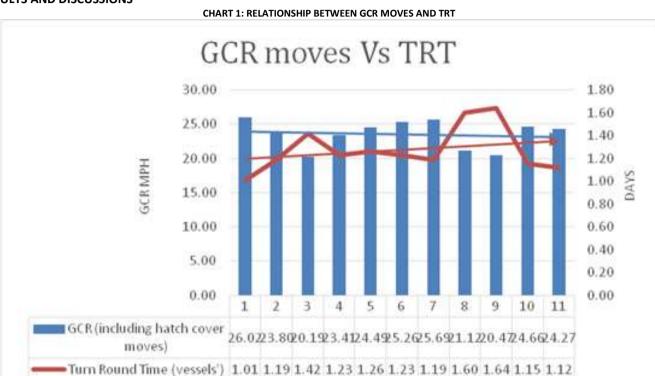
#### **OBJECTIVES OF THE RESEARCH**

- To determine the ways to minimize the Turn Round Time (TRT).
- 2. To optimize the yard management operations
- 3. To identify the methods for enhancing the container movement and handling technique.

#### RESEARCH METHODOLOGY

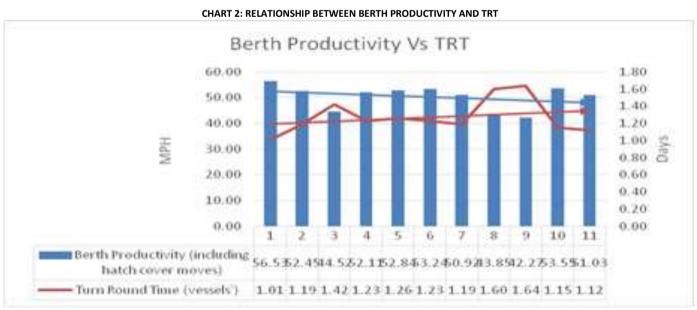
The study output is mainly determined by the analysis made from the secondary data obtained from the organization. Methodology of this research aims to determine the factors for enhancing the container cargo handling in the port. The key performance indicators impacting the container handling is identified by analyzing the secondary data and the relationship between some factors and key performance indicators are identified. Then the results of the analysis are considered to suggest solution for better container handling.

#### **RESULTS AND DISCUSSIONS**



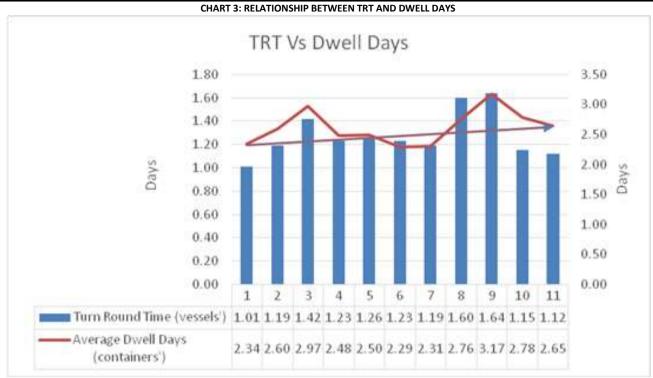
(Source: Secondary source)

From the chart 1, it is inferred that Turn Round Time is gradually increasing as the productivity of the crane movements is decreasing. This indicates that the crane productivity and TRT time has a relationship and the improvement is required in the crane movements.



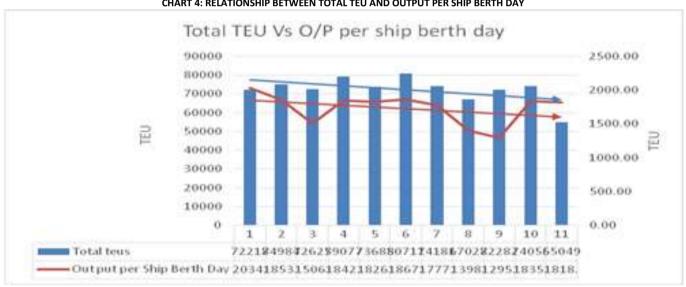
(Source: Secondary source)

From the chart 2, it is inferred that the TRT is being increased as the berth productivity of the port is being reduced. The continuous and quick berthing activity is required for the improvement in the productivity of the berth which in turn reduces the TRT.



(Source: Secondary source)

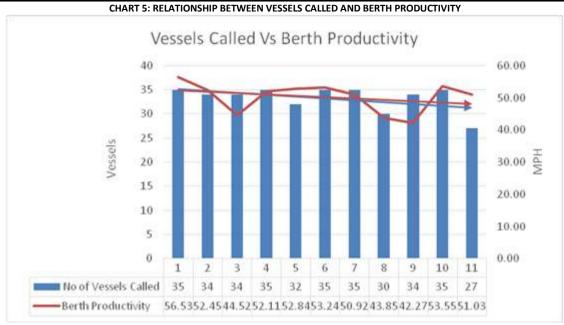
From the chart 3, the dwell time of the vessel gradually increases so as the TRT time. It indicates that the TRT time of the vessel and Dwell time of the containers inside the port have mutual relationship and in order to reduce the TRT, the dwell time needs to be improved.



**CHART 4: RELATIONSHIP BETWEEN TOTAL TEU AND OUTPUT PER SHIP BERTH DAY** 

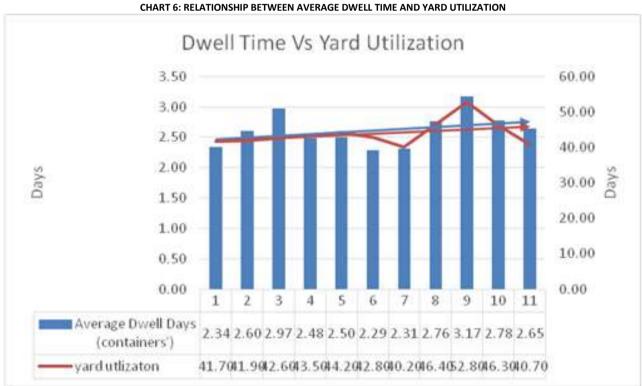
(Source: Secondary source)

From the chart 4, the total TEU handled in the port is decreased as the output per ship berth day is decreased. The total capacity of the port is being reduced due to the reduced output per ship berth day.



(Source: Secondary source)

From the chart 5, it is inferred the vessels called in the port is being reduced over the period of months due to the low berthing productivity. The berthing facility, equipment and technology can be updated to enhance the berthing productivity.



(Source: Secondary source)

From the chart 6, it is inferred that the increase in the dwell time of the containers leads to the increase in the yard utilization. This indicates that the dwell time of the containers needs to be decreased for the optimum and effective utilization of the yard for the container cargo handling.

#### **MAJOR FINDINGS**

The crane productivity and berth productivity has an inverse relationship towards the Turn Round Time (TRT) indicating that the these factors to be concentrated in performing for the reduction the TRT.

The dwell time of the containers has a direct relationship with the yard utilization indicating that the poor facility in container handling leads to the increase in dwell time.

Number of vessels called to the port is directly related to the productivity indicating the inability in handling the vessel due to poor facility. The total TEU's handled has been reducing due to the poor crane productivity in the berthing terminal.

#### RECOMMENDATIONS

From the data analysis, the following recommendations are forwarded:

Facilities like container handling equipment, crane spares inventory management, purchasing of new and automatic machineries should be improved.

- Increase in the length and depth of berthing terminal would enable to operate the cranes simultaneously so that there will be better utilization of the equipment's.
- Installation of automated container terminal, increasing the road connectivity to reduce the Truck Turn Round time, adopting systematic process for yard
  management, and introducing of advanced IT solutions are suggested to enhance the productivity of the container cargo handling in the PSU organization.

#### CONCLUSION

The study was conducted to determine the factors for enhancing the productivity of the container cargo handling inside the PSU organization by analyzing the secondary information from the port. It can be concluded that there are seven key factors for enhancing the productivity of the container handling such as crane and yard facilities, container cargo handling, logistics operations, increasing the terminal gates, connectivity of the port, container arrangement in yard and vessel, unproductive moves in yard, yard management technique, introducing advanced technology and installation of Automated Container Terminal. These factors are determined from the secondary data analysis and hence, the company is recommended on improving these factors in the container handling operations for the enhancement in overall productivity in the container cargo handling.

#### REFERENCES

- 1. Akincilar, S. and Cameron Rad (2013). "Material handling system: A Case-Study in Bosch Rexroth Japan" Master Thesis 2013 on Production Development and Management, Tekniska Hogskolan, Sweden.
- 2. Bahale, A. P. (2014). "Improving material handling efficiency in a Ginning machine manufacturing company", International journal of Innovative research in science, engineering and technology, 3(3), 10180-10186.
- 3. Beamon, B. M. (2005). "Performance, Reliability, and performability of material handling system", International Journal of PROD, 36(2), 377-393.
- 4. Chen, C., Wen-Jing Hsu and Shell-Ying Huang (2009). "Simulation and optimization of container yard operations: A Survey". Center for Advanced Information Systems, School of Computer Engineering, Nanyang Technological University, Singapore
- 5. Dongre, A. (2015). "Significance of selection of material handling system design in industry", International Journal of Engineering Research and General Science, 3(2), 76-80
- 6. Jager, R. D. (2008). "Analysis and Optimisation of Material handling System" Royal Institute of Technology, Sweden
- 7. Sie, J. (2006). "An evaluation of material handling of drtwall carts", American Psychological Association.
- 8. Tranberg, L. K. (n.d.). "Optimizing yard operations in port container terminals". Advanced OR and Al Methods in Transportation, Centre for traffic and transport, technical university, Denmark
- 9. Vieira, G. B. (2011). "Materials handling management in automobile sector", Journal of operations and supply chain management, 19-30.

### REQUEST FOR FEEDBACK

#### **Dear Readers**

At the very outset, International Journal of Research in Computer Application & Management (IJRCM) acknowledges & appreciates your efforts in showing interest in our present issue under your kind perusal.

I would like to request you to supply your critical comments and suggestions about the material published in this issue, as well as on the journal as a whole, on our e-mail **infoijrcm@gmail.com** for further improvements in the interest of research.

If you have any queries, please feel free to contact us on our e-mail <a href="mailto:infoijrcm@gmail.com">infoijrcm@gmail.com</a>.

I am sure that your feedback and deliberations would make future issues better – a result of our joint effort.

Looking forward to an appropriate consideration.

With sincere regards

Thanking you profoundly

**Academically yours** 

Sd/-

Co-ordinator

## **DISCLAIMER**

The information and opinions presented in the Journal reflect the views of the authors and not of the Journal or its Editorial Board or the Publishers/Editors. Publication does not constitute endorsement by the journal. Neither the Journal nor its publishers/Editors/Editorial Board nor anyone else involved in creating, producing or delivering the journal or the materials contained therein, assumes any liability or responsibility for the accuracy, completeness, or usefulness of any information provided in the journal, nor shall they be liable for any direct, incidental, special, consequential or punitive damages arising out of the use of information/material contained in the journal. The journal, neither its publishers/Editors/ Editorial Board, nor any other party involved in the preparation of material contained in the journal represents or warrants that the information contained herein is in every respect accurate or complete, and they are not responsible for any errors or omissions or for the results obtained from the use of such material. Readers are encouraged to confirm the information contained herein with other sources. The responsibility of the contents and the opinions expressed in this journal are exclusively of the author (s) concerned.

#### **ABOUT THE JOURNAL**

In this age of Commerce, Economics, Computer, I.T. & Management and cut throat competition, a group of intellectuals felt the need to have some platform, where young and budding managers and academicians could express their views and discuss the problems among their peers. This journal was conceived with this noble intention in view. This journal has been introduced to give an opportunity for expressing refined and innovative ideas in this field. It is our humble endeavour to provide a springboard to the upcoming specialists and give a chance to know about the latest in the sphere of research and knowledge. We have taken a small step and we hope that with the active cooperation of like-minded scholars, we shall be able to serve the society with our humble efforts.





