INTERNATIONAL JOURNAL OF RESEARCH IN COMPUTER APPLICATION & MANAGEMENT



Ulrich's Periodicals Directory ©, ProQuest, U.S.A., EBSCO Publishing, 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 6185 Cities in 195 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. | TITLE & NAME OF THE AUTHOR (S) | | | | | | |
|-----|---|----|--|--|--|--|--|
| No. | | | | | | | |
| 1. | MULTI COLONY ANT OPTIMIZATION: A NEW APPROACH TO QUERY | 1 | | | | | |
| | OPTIMIZATION IN DISTRIBUTED DBMS | | | | | | |
| | ANJALI SONI & Dr. SWATI V. CHANDE | | | | | | |
| 2. | A STUDY ON WORK-LIFE BALANCE IN BANKS WITH SPECIAL REFERENCE TO | 4 | | | | | |
| | JODHPUR | | | | | | |
| | Dr. KAMALJIT BHATIA & Dr. SHILPI KULSHRESTHA | | | | | | |
| 3. | POST MERGER PERFORMANCE ANALYSIS WITH SPECIAL REFERENCE TO | 10 | | | | | |
| | WIPRO - INFOSERVER S. A | | | | | | |
| | AKHILA N S & Dr. MANOJ KUMARA N V | | | | | | |
| 4. | STRATEGIC ANALYSIS ON BIG DATA IN INDIAN TECHNOLOGICAL SCENARIO | 14 | | | | | |
| | Dr. VAIBHAV SHARMA, SANGEETA VAIBHAV MEENA & VANDANA NIGAM | | | | | | |
| 5. | THE LOST BOND: A CASE ON CHILD ABUSE AND IT'S SOCIO-ECONOMIC | 18 | | | | | |
| | IMPACT | | | | | | |
| | Dr. JUHI GARG & RICHITA JAKHWAL | | | | | | |
| 6. | HUMAN RESOURCE DEVELOPMENT IN TOURISM AND HOSPITALITY | 21 | | | | | |
| | INDUSTRY: ISSUES AND CHALLENGES | | | | | | |
| | NATARAJA T. C. | | | | | | |
| | REQUEST FOR FEEDBACK & DISCLAIMER | 24 | | | | | |

CHIEF PATRON

Prof. (Dr.) K. K. AGGARWAL

Chairman, Malaviya National Institute of Technology, Jaipur

(An institute of National Importance & fully funded by Ministry of Human Resource Development, Government of India)

Chancellor, K. R. Mangalam University, Gurgaon

Chancellor, Lingaya's University, Faridabad

Founder Vice-Chancellor (1998-2008), Guru Gobind Singh Indraprastha University, Delhi

Ex. Pro Vice-Chancellor, Guru Jambheshwar University, Hisar

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

Chairman, Department of Economics, 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

SUNIL KUMAR KARWASRA

Principal, Aakash College of Education, ChanderKalan, Tohana, Fatehabad

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. ANIL K. SAINI

Professor, Guru Gobind Singh Indraprastha University, Delhi

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 DARÇIN

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. MELAKE TEWOLDE TECLEGHIORGIS

Faculty, College of Business & Economics, Department of Economics, Asmara, Eritrea

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

Faculty, Haryana Institute of Public Administration, Gurugram

<u>FORMER TECHNICAL ADVISOR</u> AMITA

FINANCIAL ADVISORS

DICKEN GOYAL

Advocate & Tax Adviser, Panchkula

NEENA

Investment Consultant, Chambaghat, Solan, Himachal Pradesh

<u>LEGAL ADVISORS</u>

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

Mobile Number (s) with country ISD code

Landline Number (s) with country ISD code

F-mail Address

Nationality

Alternate E-mail Address

Is WhatsApp or Viber active on your above noted Mobile Number (Yes/No)

1.

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 FUR SUBMISSION OF MANUSCRIPT | | | | | | |
|---|---|--|--|--|--|--|
| 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/specify) | Computer/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. Fully or partly, nor it is under review for publication elsewhere. | rthermore, it has neither been published anywhere in any language | | | | | |
| I affirm that all the co-authors of this manuscript have seen the sutheir names as co-authors. | ubmitted version of the manuscript and have agreed to inclusion of | | | | | |
| Also, if my/our manuscript is accepted, I agree to comply with the discretion to publish our contribution in any of its journals. | e formalities 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 | : | | | | | |

* 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. The qualification of author is not acceptable for the purpose.

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.
- 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 manuscript.

- 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

HUMAN RESOURCE DEVELOPMENT IN TOURISM AND HOSPITALITY INDUSTRY: ISSUES AND CHALLENGES

NATARAJA T. C. FACULTY DEPARTMENT OF TOURISM ADMINISTRATION SAHYADRI COMMERCE & MANAGEMENT COLLEGE SHIVAMOGGA, KARNATAKA

ABSTRACT

At present, tourism has become an emerging as a fastest and generating a large number of employments for people both skilled and unskilled. A business goes where it is invited but permanently stays, where it is respected. In India, industry has the major contribution towards the growth of GDP. Tourism as a Culture influenced by globalization has engineered a sound foundation for the development of Tourism industry in India. The increasing domination of Tourism industry in the process of economic transformation has been injecting new strength to the economy of the country. The future of tourism industry is definitely exciting but several human resource challenges are being faced such as poor supply of quality people and lack of infrastructural facilities are intimidating in providing the quality. The institutions and universities are failing in transforming soft skills of people through latest measures. Against this background the present paper makes an attempt to discuss different facets of tourism education, availability of training institutes and their status in Travel & Tourism Management and the available infrastructure of Hotels and Restaurants along with the workforce involved for serving tourists. The paper will also attempt to recommend what can be done to improve the status of tourism and hospitality education in India.

KEYWORDS

tourism industry, hospitality, tourism education, training, human resource development.

JEL CODE

015

INTRODUCTION

ourism as one of the world's largest industries, supporting 277 million jobs and generating 9.8 per cent of world GDP i.e. US\$7.6 trillion (10% of global GDP) and 277 million jobs (1 in 11 jobs) for the global economy in 2014. Recent years have seen Travel & Tourism growing at a faster rate than both the wider economy and other significant sectors such as automotive, financial services and health care. Last year was no exception. International tourist arrivals also surged, reaching nearly 1.14billion and visitor spending more than matched that growth. Visitors from emerging economies now represent a 46% share of these international arrivals (up from 38% in 2000), proving the growth and increased opportunities for travel from those in these new markets. Travel & Tourism is an important economic activity in most countries around the world. As well as its direct economic impact, the sector has significant indirect and induced impacts. The UN Statistics Division-approved Tourism Satellite Accounting methodology (TSA: RMF 2008) quantifies only the direct contribution of Travel & Tourism. WTTC recognizes that Travel & Tourism's total contribution is much greater however, and aims to capture its indirect and induced impacts through its annual research as in below Table.1:

TABLE 1

| India | 2014 US\$ mn. | 2014 % of Total | 2015 Growth | US\$ mn. | 2025 US\$ mn. | Growth |
|-----------------------------------|---------------|-----------------|-------------|-----------|---------------|--------|
| Direct Contribution to GDP | 40,602.0 | 2.2 | 7.6 | 87,474.5 | 2.2 | 7.2 |
| Total Contribution to GDP | 125,211.0 | 6.7 | 7.5 | 271,758.0 | 7.6 | 7.3 |
| Direct Contribution to Employment | 23,024.1 | 5.5 | 1.9 | 29,019.7 | 5.7 | 2.2 |
| Total Contribution to Employment | 36,695.4 | 8.7 | 1.8 | 45,566.6 | 9.0 | 2.0 |
| Visitor Exports | 20,060.1 | 4.2 | 5.2 | 38,946.6 | 4.2 | 6.3 |
| Domestic Spending | 87,864.2 | 4.7 | 7.0 | 187,571.0 | 5.3 | 7.2 |
| Leisure Spending | 90,146.5 | 1.8 | 6.5 | 190,437.0 | 2.1 | 7.1 |
| Business Spending | 17,777.7 | 0.4 | 7.4 | 36,080.6 | 0.4 | 6.6 |
| Capital Investment | 34,523.2 | 6.2 | 9.3 | 71,067.9 | 6.9 | 6.5 |

*2014 constant prices & exchange rates; 2015 real growth adjusted for inflation (%); 2015-2025 annualized real growth adjusted for inflation (%); "000 jobs Money spent by foreign visitors to a country (or visitor exports) is a key component of the direct contribution of Travel & Tourism. In 2014, India generated INR1, 224.4 bn in visitor exports. In 2015, this is expected to grow by 5.2%, and the country is expected to attract 7,757,000 international tourist arrivals. By 2025, international tourist arrivals are forecast to total 15,291,000, generating expenditure of INR2, 377.2 bn, an increase of 6.3% p.a. This indicates, there will be huge demand of skilled and trained manpower in this industry. It has been also reported that there is a big gap between demand and supply of manpower in this sector. This gap is proposed to reduce by-

- 1) Formulation of proper policy and strategy
- 2) Regular assessment of skilled manpower
- 3) State of art infrastructure for training
- 4) Regulating academic efforts.

Against this back ground, Government and Industry people should take initiative to promote tourism industry among the youth talented generation and to attract them to join for capitalizing this industry. The quality of the courses in Tourism Management being offered by the institutes and universities requires to be improved. The courses offered are not practical in nature and hence do not fulfill the sectorial need. The courses need to be revised and updated. The Tourism Education courses offered in the private, government institutions and universities are hybrid in nature and lacking skill specialization. There is a skill shortage in this sector and requires fair blending of information and communication technology. It is high time to provide a sound understanding of Real Time Data Base System (RTDBS) along with E-commerce, Customer Relation Management to the students for increasing practical solution to the business.

OBJECTIVES

- ${\bf 1.} \hspace{0.5cm} \hbox{To identify the challenges and opportunities in tourism industry.} \\$
- 2. To understand the need of capable human resource and employability in tourism sector.
- 3. To analyze the contemporary tourism and hospitality education in India.
- 4. To recommend the prerequisite of skill training and development institutions for human resource.

RESEARCH METHODOLOGY

Methodology, adopted in the research is a) Primary data from the sources such as, interaction with the experts of different Universities, Colleges and institutions providing tourism and hospitality education across India and personal visits and own observation b) Secondary data from the sources such as, books, journals, magazines, newsletters and newspapers and various websites of tourism and hospitality sector.

SHORTCOMINGS IN TOURISM EDUCATION

This sector is requiring 3.5 million people by the year 2020. A report found that huge volume of students is being trained in this sector by government, affiliated and privately owned institutions but it is interesting that major portion of people of them are pursuing careers in other services.

The report indicates that there is an alarming shortage of trained manpower in tourism industry resulted in big gap between demand and supply of trained people. This industry requires various strategies related to Human Resource for the development of this sector. Apart from this the industry is lacking a fair manpower planning, Job description, job specification and proper career planning at different level in the organization. Low payment, long working hours, lack of professional growth and training and development facilities has been the fate of this sector. Better corporate culture, healthy professional ethics and sound operational practices must be considered in this regard. In spite of several efforts Human Resource practices still lacking of professionalism in this industry. Major shortcomings in tourism education may be enumerated as **This industry has not any full proof recruitment policy:**

- This industry lacks competent and specialist people, having no specific degree requirement
- This industry lacks professional ethics, sound operation al practices & specialization
- There is no clear cut career path and the payment package offered is minimal
- The courses taught at institutes & universities are not up to date, need to be improved in the light of current developments
- The syllabus designed are faulty and not attracting right types of candidates
- · Acute shortage of competent faculties.

QUALITY PEOPLE - NEED OF THE HOUR

The tourism industry has been facing a series of problems and the most effective way of resolving the same is making available to them quality people. The government policy makers and the institutions bear a responsibility of promoting excellence, which may create and establish a conductive environment for prosperity of this Industry. We cannot accept managerial proficiency from those who themselves are lacking quality. The falling dimensions of development of quality people draw priority attention:

RECRUITMENT

This dimension is concerned to the recruitment and se lection of quality people. The traits considered to be essential for the quality people need not to be underestimated.

TRAINING

Development is on-going process; change is a natural phenomenon. During yester decades, we find a large scale domination of techniculture in all most all arias. The techno-driven information systems are found very much instrumental in shaping the operational efficiency of Tourism Industries. The increasing trend of unlawful and unethical practices makes it essential that the traits like personal touch, ethics, humanism and ethos must be maintained to transform non-performer into star-performer.

MOTIVATION

Incentive becomes instrumental in motivating and shaping the people. Particularly in the present time, where consumerism has been found changing the lifestyles of general people, we cannot keep Tourism Industry in isolation. This requires a fair blending of financial and non-financial incentives.

PERFORMANCE APPRAISAL

To get good result, it is essential that an evaluation is made of the performance of individual or a group.

HUMAN RESOURCE DEVELOPMENT IN TOURISM AND HOSPITALITY EDUCATION

The future of tourism industry in India is very exciting but still there are many human resource challenges faced by this industry such as lack of qualified staff at both the operational and managerial levels. There is a huge gap between the supply side and demand side requirements in this sector. The development and sustainability of tourism industry requires development strategies for human resource and personnel involved in tourism, the development of host community, and tourists themselves. Sustainability based work culture, professional ethics, and operational practices are basic to sustainability in tourism. There is immense potential in Indian tourism industry, but is hardly showing any developments due to shortcomings in HRD domain. This is one of the basic reasons for its low performance in terms of unorganized human resources and unattended HR issues and policies both at micro and macro level.

HOTELS IN INDIA

- Approximately there are 1.2 million hotel rooms in the country. However, the star category of hotels account for only 7% of the total. (80000 rooms)
- According to a study, there was a need of approximately 2.9 million hotel rooms in India and this need rose to 6.6 million rooms in 2020.
- The four star and five-star hotel in the country including the heritage hotels provides employment to on an average 162 people per 100 rooms, compared to 122 in one, two and three star hotels.
- Almost 750000 people in India are employed in hotels within India. Around 1 lakh people are employed in motels on highways.
- The Employment in hotel industry is forecasted to increase to 3.5 million by 2020.
- The major portion of employees, approximately 60%, is working in F & B sector, Kitchen and Housekeeping.
- 80% of the manpower in employed in key hotel functions such as F&B, front office and housekeeping. Most of them are young and less than 40 years of age. Most employees in the management/supervisory cadres in the front office, F&B services and housekeeping function of the larger four & five star hotels have a formal hotel management qualification. Almost half the managers and supervisors of the one to three star hotels have either a hotel management degree/diploma or a Food Crafts Institute Certificate. The hotels in the unorganized sector mostly employ untrained manpower.

RESTAURANTS IN INDIA

According to a study,

- It has been estimated that there are at least 140,000 restaurants in urban India.
- 1) In Delhi and Mumbai itself, there are nearly 15% of these restaurants.
- 2) The largest population is of Conventional restaurants which account for account 305 of the total population, followed by sweet shops (16%), fast food outlets (16%) and dhabas (30%).
- 3) The number of conventional restaurants ranges between 10-20 numbers per lakh of population and the total number of eating places account for 86 per lakh of population.
- 4) The total number of restaurants has touched 200,000 in the year 2010 and will be around 240,000 in year 2020.
- 5) Almost 1.85 million people are working in restaurants running in India. This Employment is forecast to increase to 2.73 million by the year 2020.
- 6) The small restaurants such as dhabas are employing more than 1.3 million people on the state and national highways.

TRAINING INSTITUTES IN HOTEL MANAGEMENT AND FOOD CRAFT

1) At present approximately 175 training institutes are engaged in Hotel management and Food Craft. Of them, 50 are owned by the government, 125 are private institutes and only 47 are registered with AICTE.

- 2) The total number of students obtaining training in government sponsored institutes are very less, approx 20% of the total. A total of 18000 students are graduating with a degree/diploma in hotel management or food craft.
- 3) The majority of the students are completing 3-year degree courses. Only 3800 students (21%) are completing Diploma or Certificate courses.
- 4) These institutes claim 100% placement for graduating class. However, more than 35 to 405 of the total graduates are joining other emerging sectors such as call centers because of the reasons such as better salaries, poor perceived image of working in hotels, and their reluctance to take up jobs in the service function of hotels.

In this scenario, there is likely to be a shortage of trained manpower in this sector.

TRAINING INSTITUTES IN TRAVEL & TOURISM MANAGEMENT

- Around 172 training institutes are engaged in travel and tour management education. Out of them only 11 are government sponsored institutes, 78 are
 affiliated to universities while the rest of them are privately owned.
- Approximately, 17,500 students are completing IATA/UFTA certified diploma courses, graduate and post graduate degree courses.

STRATEGIC RECOMMENDATIONS

- The present and as well as new hotel management institutes will have to provide training to substantially more and larger number students to cater to the increasing demand of hotels and restaurants.
- The total student throughout of diploma and certificate courses needs to be increased through immediate steps. This can only be done to by altering the students towards short term courses.
- There is also a requirement for Improvement in standards of training provided by the institutes.
- If the manpower required to impart training in institutes, if found to be scarce a training module in the form of audio and video CDs can be explored.

However, the existing training infrastructure for the travel and tour sector appears to be adequate.

- There is a need to undertake a joint campaign to generate pride in hotel and tourist management carriers. This will help attract and retain trained manpower in this sector.
- The syllabus and the curriculum are recommended constant up gradation.
- Constant training of teachers imparting training is required.
- There should be more scope and Better market acceptability of the pass outs.
- The working hours should be reasonable. Students having aptitude and inclination for a particular stream need to be trained.
- The fringe players in the tourism sector needs corporatization and consolidation.
- To introduce a subject or at least a chapter on tourism at the "+2" stage in all schools.
- To bring Guest faculties from international reputed Tourism institutes. This would bring global perception to our institutes.
- Exchange programme with foreign institutes, both for the students as well as faculty.

CONCLUSION

This Industry looks for dedicated performer. Nothing good is possible, when we continue with a pool of non-performer and nothing is impossible when we peak a team of star-performer. Presently we find tourism industry in India is facing problem of image. Increasing the number of star and dynamic performers need top priority in the sector. The apex institutions in India have stopped to offer specialization in Tourism Education courses. This has resulted complete negative impact over the fate and future of tourism education and supply of quality people. Therefore, immediate attention of Educational institutes, public and government is required in this regard to capitalise tourism and hospitality sector.

REFERENCES

- 1. Airey, D. (1979). Tourism Education in the United Kingdom. *Revue de Tourisme*, 2/79, 13-15.
- 2. Amoah, V., & Baum, T. (1997). Tourism education: policy versus practice. International Journal of Contemporary Hospitality Management, 9 (1), 5-12.
- 3. Bagri, S.C. (2003), Tourism Management Education: Issues and Challenges, University News.
- 4. Byeong-Yong, K., & Oh, M. (2002). An extended application of importance-performance Analysis, *Journal of Hospitality and Leisure Marketing*, 9 (3/4), 107-125.
- 5. Cooper, C. (2002, b). Standard creation in tourism education and training. Human Resources in Tourism: Towards a new paradigm, Madrid: OMT, P88-97.
- 6. Planning Commission (2007), Eleventh Five Year Plan, Planning Commission, Government of India, New Delhi.
- 7. Sarkar & Arun Kumar (1998), Action Plan and Priorities in Tourism, Saujanya Books, New Dilhi.
- Talwar & Prakash (2006), Travel and Tourism Management, Isha Books, New Delhi.
 World Travel and Tourism Council, Tourism satellite Account for India, www.wttc.com

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 infoijrcm@gmail.com.

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.







