

An International Refereed Multidisciplinary Journal Of Applied Research



EDITOR-IN-CHIEF Mr. Kalpesh Rakholia

EDITOR

Dr. ALKESH VACHHANI

CELL: 94282 22982

EDITOR
DR. MITAL MANAVADARIA
CELL:9925975975

ABOUT THE JOURNAL

RESEARCH MATRIX is an International Journal forall subjects (Multidisciplinary) publishing original papers, reviews articles on Research all Languages. It promotes interdisciplinary perspective to discuss issues of National and International Significance. Its regular features include research book editorial correspondence. All the Research papers are subject to a double-blind referring process and are published on the recommendation of reviewers and discretion of the editor. As far as the research papers are concerned, the views of statements expressed in the Research papers are solely of the author and the editor in not responsible for the same.

ABOUT THE JOURNAL

- Cooperation in the exchange of information about Physical Education, Applied Social
- Sciences, Commerce, Education and science Worldwide.
- Development of Research work.
- Balance of advanced theories and common practices.

AIM

- evelopment among various countries worldwide.
- To promote the study of Arts, Science, Management, Commerce and Education by using the
- advances in scientific research results.
- To establish a common foundation of theory based on the positive differences of various
- · backgrounds.
- To develop interest in the significant study of various researchers.

Editor-In-Chief

RESEARCH MATRIX: International Multidisciplinary Journal of Applied Research Uday Nagar Society, Block No.7/b, B/h. Godhwani High School Pin – 362015 Website: www.researchmatrix.org Email: editorresearchmatrix@gmail.com

An International Refereed Multidisciplinary Journal Of Applied Research



NATIONAL INSTITUTE OF SCIENCE COMMUNICATION AND INFORMATION RESOURCES

(Council of Scientific and Industrial Research) 14, Satsang Vihar Marg, New Delhi 110 067



Ms. V. V. Lakshmi, Head, National Science Library

Phone: 91-11-2686 3759

E-mail+ vvlakshml@niscalt.res.in website: www.piscart.res.in

NSL/ISSN/INF/2013/1516

Dated: July 17, 2013

Mr. Kalpesh R. Rakholiya Junagadh, Timbawadi, Uday nagar soc, block no 7/b b/h godhwani high school pin-362015

Dear Sir/ Madam. We are happy to inform you that the following serial(s) published by you has been registered and assigned ISSN (Print)

ISSN 2321 - 7073

Research Matrix

It is important that the ISSN should be printed on every issue preferably at the right hand top corner of the cover page.

The Indian National Centre will be responsible for monitoring the use of ISSN assigned to Indian Serials and for supplying up to-date data of the same to the International Centre for ISSN, Paris. For this purpose we request you to send us the forth coming issue of your serial on complimentary basis.

We solicit your co-operation in this regard.

Yours sincerely

National Science Library

Please don't forget to send a sample issue of the journal/URL with ISSN printed on it.

Contact: Ms. Shobhna Vij e-mail: issn.india@niscair.res.in

phone: 011-26516672

An International Refereed Multidisciplinary Journal Of Applied Research

EDITORIAL BOARD

DR. KISHORCHANDRA H.	HOD J.H. Bhalodiya Women's College,
AATKOTIYA	Rajkot,Gujarat,India
DR. M. P. TALA	Principal Commerce And BBA College,
	Junagadh, Gujarat, India.
DR. R.K. MATHUKIYA	Prof. Junagadh Agricultrue University,
	Junagadh, Gujarat, India
DR.K. A. KHUNT	Principal PGIABM Junagadh Agri. University
	Junagadh.
DR. DHAVAL KATHIRIYA	Director IT Anand Agriculture University,
TOTAL OFF CHARACTERS	Anand
DR. S.N. KOTKAR	Professor, ssvps Science College Dhule,
	Maharashtra, India.
DR SUNEETA S. CHANDORKAR	Professor The M. S. University Of
	Baroda, Vadodara, Gujarat.
DR. P. M. DOLIYA	Professor Department Of Computer Science
	Bhavnagar University,
DR.SHAILESH J. BUTANI	Asst.Prof. Municipal Arts & Commerce
	College ,Upleta,
DR. BANKIM RADADIYA	Professor Navsari Agriculture University,
	Navsari
DR. RAJKUMAR TOPANDASANI	H.O.D. Arts & Commerce College –
	Mandarda
MR.NAGENDRA R	Dept. Of Comp. Sci. Maharani Sci. College
	For Woman Banglore,
DR.YOGEESH N.	Government First Grade College,Karatagere.
MR. SURAJ SAWANT	Chandmal Tarachand Bora College
	Shirur,Pune.

An International Refereed Multidisciplinary Journal Of Applied Research

DR. NIHARIKA UDANI	Librarian, Children's University.
DR. JOYDIP SENGUPTA	Dept. Of Physics Sikkim Manipal Ins.Of
	Tech.Majitar, Rangpo, Sikkim
DR. P. B. KANJIYA	M. M. Ghodasara Women College Of Arts
	And Com., junagadh.
DR. RUCHIRA BHARGAVA	Associate Professor, Rajasthan.
DR. PRAVINSINH CHAUHAN	Sindicate Member - Saurashtra University
DR. VIRAM VALA	Smt. N.C.Gandhi & Smt.B.V.Gandhi Mahila
	Arts & Commerce College- Bhavnagar
DR. CHETAN DUDHAGARA	Natubhai V. Patel College Of Pure And
	Applied Sciences, V. V. Nagar
DR KISHOR VAJUBHAI	Shree A.R.S.Sakhida Arts ,C C Gediwala
BHESANIYA	Commerce College- Limbdi
DR. MAHESH METRA	Shree J.M. Panera Arts & Commerce
	College-Manavadar
LOPAMUDRA R. VAGHASIYA	Shree Saraswati Vidhyapith
ASHWIN BARASARA	School Of Science, RK University-Rajkot
DR. RAMESH PATEL	Arts And Fine Arts College – Palanpur

An International Refereed Multidisciplinary Journal Of Applied Research



SR.NO.	TITLE & AUTHOR	PAGE NO.
1	HEART RATE AND BLOOD LACTATE CONCENTRATION RAHULKUMAR B. BARAD	1 TO 6
2	EMERGING TRENDS AND INNOVATIONS IN TEACHING AND MS. HEMAN	7 TO 12
3	ICT BASED HIGHER EDUCATION IN INDIA – A CRUCIAL MR. PARESH S. KHETAL	13 TO 20
4	A STUDY OF IMPACT OF DIGITILIZATION IN INDIA DR. SAMIR M. VOHRA	21 TO 29
5	ENGLISH LANGUAGE AND GLOBALIZATION DR. JIMMYKUMAR P. PRAJAPATI	30 TO 34
6	ISSUES FACING RETAIL SUPPLY CHAINS IN COMMERCE DR. SANJAY RADADIYA	35 TO 37
7	A REVIEW OVER EXERCISES TO FLATTEN YOUR STOMACH LT NIMESH BHAGVANJI BHAI BHALODIYA	38 TO 46
8	RECENT ADVANTAGES OF DRUGS DISCOVERY ASHWIN BARASARA AND MORE	47 TO 51
9	BIODIESEL FUEL PRODUCTION FROM ALGAE AS RENEWABLE KISHAN DALSANIYA AND SAVAN KUNDARIYA	52 TO 58
10	NANO MEDICINE RONAK LODARIYA	59 TO 63
11	GRAVITATIONAL WAVES YOGESH PADALIYA	64 TO 70
12	COMMUNALISM, COLONIALISM AND PARTITION OF INDIA ALPESHKUMAR PRAVINCHANDRA JOSHI DR. DEEPKUMAR TRIVEDI	71 TO 74
13	TECHNOLOGY INTEGRATED SCIENCE TEACHING BICHITRA CHOUDHUR!	75 TO 82
14	SYMBOLISM OF THE SNAKE IN ENGLISH LITERATURE DR S.G. CHAUHAN	83 TO 85

An International Refereed Multidisciplinary Journal Of Applied Research

SR.NO.	TITLE & AUTHOR	
		PAGE NO.
15	MOLECULAR BIOLOGY OF SICKLE CELL ANEMIA	86 TO 89
16	DR VOGESH DARGHI	3
10	EMERGING TRENDS AND INNOVATIONS IN TEACHING	90 TO 95
17	DP DINESUR CHAUDHAD	
17	A CRITICAL STUDY OF FEMINIST PERSPECTIVE IN INDIAN	96 TO 98
18	DR HIDEN AS CHANGE	I
10	AN ELEMENTS OF SATIRE IN R. K. NARAYAN'S WORKS	99 TO 103
	KALPESHKUMAR DHULABHAI PARMAR	
19	DP DEFOULABLE TOURS	
	THOMAS HARDY AS A ARCHITECT OF LITERATURE	104 TO 10
	MS. NITABEN MOKAMBHAI PATEL	
20	DR. KAMESHWAR PRASAD ECOTOURISM – ITS POSITIVE & NEGATIVE ASPECTS: A MINI	
		108 TO 110
21	SWAMI VIVEKANANDA AND HIS NATIONAL AWARENESS	
		111 TO 114
22	THE IMAGE OF FIRE IN ENGLISH LITERATURE	44
	DR. RAMESH PATEL	115 TO 119
23	EMERGING EDUCATION ALTECHNOLOGIES AND RESEARCH	120 TO 126
	ASSO.PROF,SURESH H. PATFI	120 10 126
24	KANTHAPURA: INDIA IN MINIATURE	127 TO 133
	PROF VIJAY P. PANDYA	
25	EFFECTIVENESS OF TRAINING FOR AN EMPLOYEE IN	134 TO 144
	HIREN GHELANI	
25	MEDICINAL CHEMITRY	145 TO 155
27	KRUPESH N. DHORIYANI	
LI	IMPACT OF MOBILE PHONE USAGE ON TEENS AND YOUNG ADULTS IN EDUCATIONAL LEVEL	156 TO 162
	GEETA BHAMBHANI DR. JOHN J. GEORRGE	

NATIONAL CONFERENCE ORGANISED BY: ASHA- RESEARCH & DEVELOPMENT WING



ISSUES FACING RETAIL SUPPLY CHAINS IN COMMERCE

DR. SANJAY RADADIYA

ASSI. PROF., B.J. VANIJYA MAHAVIDYALAYA – VALLABH VIDYANAGAR

SUBJECT:

ABSTRACT

This paper will discuss the types and management of risks faced within the supply chain of a large retailer. Based on relevant frameworks from the literature, we categorized the risks into inherent or high frequent risks and disruption or infrequent risks. I investigate mitigation strategies for dealing with these risks, and I identify generic strategies that could handle most risk types as well as specific strategies for handling particular risks. Retailers today are faced with unprecedented challenges ranging from shifting retail formats, overabundance of consumer choice, fast-changing technology, greater focus on quality and price, and a tough economic climate. This white paper looks at the top five supply chain challenges that retailers face and maps out a series of strategies to address them based on research and direct experience in supporting retailers to maintain a competitive advantage.

1. SLIPPING PROFIT MARGINS—A PERFECT STORM OF RETAIL CHALLENGES

The bottom line is profit and one might say that retailers today are facing a perfect storm of challenges to profitability. "Improving profit margins," was cited as one of the top objectives driving IT investments (45.7% overall) in an IDC Retail Insights Survey. The global economy is still on uncertain ground, consumers have ever-changing expectations and price-sensitivity, and all affect retail sales. While pressure exists to keep prices low, raw material and other costs are increasing at the same time, making it harder to remain profitable.

2. OPERATIONAL INEFFICIENCY—MANAGING COMPLEXITY AND RAPID CHANGE

Managing complexity and rapid change is probably the most difficult thing for a retailer to do, yet it's necessary if they want to maintain an efficient operation. Lack of communication, collaboration and consistency across organizations are hampered by silos of information and lack of visibility across key supply chain functions. Dependency on manual and cumbersome processes holds companies back and operations running on spreadsheets are not scalable. According to a 2014 Supply Chain Benchmark study from Boston Retail Partners, "46 percent of North American Retailers use static spreadsheets to manage their supply chain planning."

3. TREND RESPONSIVENESS—THE UNRELENTING CONSUMER

Consumers are demanding greater variety of cheaper, high quality, socially responsible products, delivered across multiple channels, consistently and in less time. It's clear that today's shoppers are focused on convenience and driving the demand, and they expect their retailer of choice to provide this convenience across all channels. There is a significant disconnect between what consumers want from an omnichannel retailer and the omnichannel capabilities retailers are providing today—and this starts with a

VOLUME-3 / YEAR – 5 / ISSUE – 1 / AUGUST–2017 WWW.RESEARCHMATRIX.ORG ISSN 2321-7073

NATIONAL CONFERENCE ORGANISED BY: ASHA- RESEARCH & DEVELOPMENT WING

disjointed and less than streamlined supply chain. More seasonal ranges and assortments must be developed, sourced and produced just-in-time to service multiple markets and channels, and to ?meet consumer demands.

4. QUALITY & REGULATORY COMPLIANCE—COMPLIANCE IS NOT A CHOICE

Consumers expect quality products regardless of whether they are branded, private or exclusive label and they hold retailers accountable for supplier quality. At the same time, compliance is increasing in complexity as governments and consumer bodies' mandate greater regulatory measures and quality standards. Corporate social responsibility is no longer an option—labor, environment and product quality directly impact both brand image and the bottom line.

5. OMNICHANNEL INTEGRATION—VARIETY BREEDS COMPLEXITY AND DISSOCIATION

Multiple selling channels are expanding outside of brick and mortar retail including online retail which is expected to grow at a CAGR of 10+ percent through 2015. According to Shop.org, consumers today use at least three channels when shopping, spend up to 10 times more and generate 25-50 percent more profit, with a much higher rate of customer loyalty. Consistency of product offering, quality, price and customer experience is required across all channels. To ensure the success of consistency across multichannel programs, retailers must align organizational objectives, transform business processes, streamline order and inventory management and deliver consumers pertinent information.

TOP 5 STRATEGIES TO MEET THE CHALLENGES

Going forward, in order to respond quickly to increasingly unpredictable consumer demands and ever-more complex markets with targeted product development and sourcing decisions, retailers and brands will need to ensure that their design, merchandising, logistics and suppliers are more integrated process-wise than ever before. They will need a carefully selected stable of sourcing regions as well as supplier partnerships setup to provide them with a high degree of control, agility and visibility into the end-to-end supply chain. In order to simplify global sourcing, retailers need to transform by adopting collaboration and becoming more social throughout the enterprise. Their supply chain business processes from plan to pay should be streamlined and integrated on a single intelligent collaboration platform in the Cloud.

1. DRIVE PROFITABILITY—PREPARING FOR THE STORM

Expanding direct global sourcing and growing private label ranges will continue to be key retail margin improvement initiatives. Successful retailers will seek to mitigate pricing pressures by providing more features and choice, by adding more assortments and scaling their product development, sourcing and production activities. Retailers must also renegotiate supplier agreements to more of a partnership and rethink their distribution channels. Greater visibility and predictability into cost components throughout the product lifecycle will also be an ongoing margin improvement priority, as will be the requirement to adopt new technology to support these initiatives.

2. STREAMLINE OPERATIONS—BUILD A VISIBLE COLLABORATIVE SUPPLY CHAIN

Building a more efficient supply chain involves optimizing resources, accelerating product cycle times, reducing inventory and enabling greater communication and collaboration

VOLUME-3 / YEAR – 5 / ISSUE – 1 / AUGUST–2017 WWW.RESEARCHMATRIX.ORG ISSN 2321-7073

NATIONAL CONFERENCE ORGANISED BY: ASHA- RESEARCH & DEVELOPMENT WING

across internal and external stakeholders. Retail supply chain process improvements supported by best-in-class technology allow you to connect disparate functions and enable true end-to-end supply chain collaboration. Shifting from manual processes performed in isolation to centralized automated processes should continue to be a priority for most retailers. .

3. SWIFT RESPONSE—FLEXIBLE, ABLE AND READY

Accurate, real-time information integration and sharing provides flexibility, responsiveness and the ability to make informed decisions. Technology enabled process solutions such as Retail PLM and integrated strategic sourcing help retailers to streamline their supply chains to manage growing complexity and fast track their product development. Collaboration internally within the operational areas and the external extended supply chain of partners, suppliers and vendors are essential to providing flexibility and the ability to react quickly to meet delivery dates.

4. PROACTIVE COMPLIANCE—ANTICIPATE COMPLIANCE REQUIREMENTS

Processes and systems, which proactively manage, track, update and report on quality and compliance data mitigate risks and prevent downstream problems. Some of the approaches towards compliance of best-in-class retailers include; working with suppliers/partners to build management capacity; training workers and managers on labor rights, health and safety protocols; and tracking key performance indicators. Other initiatives might include evaluating and instituting ways to empower workers; examining purchasing practices to assess violations and increasing reporting and audits providing the supply chain with real-time findings.

5. SEAMLESS CHANNELS—INTEGRATING PROCESSES BUILDS SAME EXPERIENCE

Retailers now have to put the back-end systems in place to ensure the supply chain ecosystem is working together without silos of workers and systems. Integration of information, visibility into processes, combined with accurate and timely information sharing is essential to retail channel integration. These new processes, business transformation and technology solutions enable retailers to effectively understand, service and manage the omnichannel retail demands.

The unfolding retail landscape is looking very different to the old one. Who could have predicted the growth of online and mobile retail sales relative to brick and mortar sales? To thrive in this new paradigm, retailers have had to reinvent themselves by creating their own brands and finding new markets to source and sell their products. Most importantly success in the new era will be defined by who has the most creative and efficient supply chain, where products are manufactured virtually and distributed to consumers seamlessly through multiple channels.

REFERENCES:

Oke, Adegoke, and Mohan Gopalakrishnan. "Managing disruptions in supply chains: A case study of a retail supply chain." International journal of production economics 118.1 (2009): 168-174.

Waller, Matt, M. Eric Johnson, and Tom Davis. "Vendor-managed inventory in the retail supply chain." Journal of business logistics 20.1 (1999): 183.

Chen, Fangruo. "Decentralized supply chains subject to information delays." Management Science 45.8 (1999): 1076-1090.

Srivastava, Samir K. "Green supply-chain management: a state-of-the-art literature review." International journal of management reviews 9.1 (2007): 53-80.

VOLUME-3 / YEAR – 5 / ISSUE – 1 / AUGUST–2017 WWW.RESEARCHMATRIX.ORG ISSN 2321-7073