Volume - 13, No. 04 OCTOBER - DECEMBER 2020



JOURNAL OF SCIENCE, TECHNOLOGY & MANAGEMENT

SPECIAL ISSUE ON

"ATMANIRBHAR BHARAT: A ROADMAP TO SELF RELIANT INDIA"

IN ASSOCIATION WITH DEPARTMENT OF MANAGEMENT STUDIES, MACFAST, KERALA, INDIA



P. CHERIAN J KOTT PRINCIPAL

Mar Athanasios College For Advanced Studies A MACFAST PUBLICATION
Tiruvalla- 689101, Kerala

Journal of Science, Technology and Management

A MULTI DISCIPLINARY

QUARTERLY JOURNAL

SUBSCRIPTION

I year Rs. 1500/-2 years Rs. 2700/-3 years Rs. 3600/-

Subscription charges may be drawn by Demand Draft of any Nationalised Bank in favour of Mar Athanasios College for Advanced Studies Tiruvalla (MACFAST) and to be sent to Circulation Manager, Journal of Science Technology and Management, Mar Athanasios College for Advanced Studies, Tiruvalla, Pathanamthitta District. Kerala - 689101, India.

> Phone: 0469-2730305 Mob: + 91-94471 21718

email: journal@macfast.org

www.macfast.org

@ MACFAST

DISCLAIMER

lournal of Science Technology and Management is not responsible for the statements/opinions expressed by the authors in their articles. While submitting the paper the author of must give a declaration that "the article has not been sent for publication and is free from plagiaris 12 published

EDITORIAL BOARD

Managing Editor

Fr. Dr. Cherian J. Kottayil

Principal, Mar Athanasios College for Advanced Studies Tiruvalla (MACFAST) Email: principal@macfast.org

Chief Editor

Dr. Samuel, M. S.

Professor and Director. Department of Computer Applications, MACFAST. Tiruvalla Email: mssamuel@macfast.org

Editor

Dr. Soumya Madhavan

Assistant Professor, School of Biosciences MACFAST.

E-mail:soumyamadhavan@macfast.org

Co-Editors

Dr. Neethu Ann Georgie

Associate Professor, Department of Management Studies MACFAST. E-mail:neethu.ajith@macfast.org

Jeena Sara Viju

Assistant Professor, Department of Computer Applications MACFAST. E-mail:jeena@macfast.org

Dr. Blessan Santhosh George

Assistant Professor, School of Biosciences, MACFAST

Editorial Assistant

Ebin Philip Thompson

Assistant Professor, School of Biosciences, MACFAST

Memhers

Dr. Ashok Pandey

CSIR - National Institute for Interdisciplinary Science and Technology (NIIST) Industrial Estate PO. Thiruvananthapuram, Kerala 695019 E-mail: ashokpandey1956@gmail.com

Dr. Varshney V. K.

Forest Research Institute P. O. New Forest Dehra Dun - 248 006, India E-mail: varshney2000@yahoo.com

Fr. Casimir Raj N., S. J.

(Former Director, Xavier Labour Relations Institute (XLRI), Jamshedpur, Jharkand, India) Loyala College, Liba, Chennai Email: ncasimirraj@gmail.com

Dr. Mathew Illathuparambil

Professor, Department of Management Studies, MACFAST, Tiruvalla, Kerala, India Email: Illathuparampil@hotmail.com

Dr. Dineshkumar U.

Professor, IIM, Bangalore, India Email: dineshk@iimb.ernet.in

Dr. Bernadine Van Gramberg

Pro Vice-Chancellor Swinburne University John St, Hawthorn VIC 3122, Australia bvangramberg@swin.edu

Dr. Bijaya K. Mangaraj

Professor, XLRI, Jamshedpur Email: mangaraj@xlri.ac.in

Dr. Constantine Roussos

(Professor Emeritus) Lynchburge College, Lynchburg, Virginia - 24501, USA E-mail: roussos@lynchburg.edu

Dr. Nagabhushan P.

Director, Indian Institute of Information Technology, Alahabad, UP. Email: pnagabhushan@hotmail.com

Dr. Chandra Sekhar, C.

Professor, Indian Institute of Information Technology Madras, India Email: chandra@cs.iitm.ernet.in

Dr. Kaimal, M. R.

Professor and Chairman Department of Computer Science, Amritha Viswavidhya Peedam, Kollam, Kerala, India Email: mrkaimal@asianetindia.com

Dr. Jiju A. Mathew

Associate Professor Department of Computer Science, St. Thomas College, Thrissur, Kerala, India Email: jijuamathew@gmail.com

Dr. Sundarapandian, V.

Research and Development Centre Vel Tech Dr. RR & Dr. SR Technical University Avadi, Chennai - 600 062, India E-mail: sundarvtu@gmail.com

Dr. Sukumaran Nair, K. R.

Principal, Mannam Memorial N.S.S College Konni, Kerala- 689691 E-mail: krsnair09@gmail.com

Acknowledgements

The Editorial Board hereby express their thanks and gratitude to the referees for evaluating the manuscripts.

PUBLISHER, PRINTER & OWNER Fr. Cherian J. Kottayil, Ph.D. Principal, MACFAST, Tiruvalla, Pathanamthitta, Kerala

PRINTED AT

St. Joseph's Offset Printing Press, Tiruvalla, Pathanamthitta District, Kerala

08.06 DESIGN C

Greeshma Designs, Ktm. Ph. 0481-2300798

Fr. Dr. CHERIAN J KOTTAYIL

Mar Athanasios College For Advanced Studies Tiruvalla- 689101, Kerala

JOURNAL OF SCIENCE, TECHNOLOGY AND MANAGEMENT

Volume 13

Number 04

October - December 2020

ONTENTS

- Extending a helping hand to the rural populace in COVID times Radio MACFAST:

 A true companion of the common man

 Radhakrishnan Kuttoor, Sudeep B Chandramana
- 221 A new era on rural marketing through "Athma Nirbhar Bharath"

 Ansu Anna Thomas, Latha K
- 228 A study on how E-learning drives India to be self-reliant Neethu Ann Georgie, Achsah Saji, Joice Elezabeth Johnson
- 234 Big data and transformation of marketing Joffy Johnson
- 237 Contribution of microfinance to self help groups for rural development in India
 Ashalakshmi R K, Anju John, Reshma T R
- A conceptual framework on how FDI enables India to its desirable destination- self reliant economy
 Jamuna John, Jojis P Joseph, Neethu Ann Georgie
- 253 India on the move: An appraisal of Indian tyre industry

 Aleena Sara John, Sudeep B Chandramana
- 263 Deep learning- A way towards face detection technology Khushbu A Patel, Mahammad Idrish I Sandhi
- 270 Present status and potential of renewable energy in Kerala -A conceptual study based on existing and future renewable resources

Foshwin Cherian Mathew and Latha K







A conceptual analysis on the role of FMCG sector in building a self-reliant India

Sudeep B Chandramana*, Tojy George Thomas Department of Management Studies Mar Athanasios College for Advanced Studies Tiruvalla (MACFAST), Kerala, India 689 101 *Email: sudeep@macfast.org

Abstract: Atmanirbhar Bharat Abhiyaan or Self-reliant India campaign is the idea of a new India envisioned by the Prime Minister Shri Narendra Modi. Special economic and comprehensive package of INR 20 lakh crores equivalent to 10% of India's GDP - was announced by the central government to fight COVID-19 pandemic in India. The log-term aim of this "vocal for local" is to make the country and its citizens independent and selfreliant in all facets. The government is taking several strong reforms such as Supply Chain Reforms for Agriculture, Rational Tax Systems, Simple & Clear Laws, Capable Human Resource and Strong Financial System. The call for "vocal for local", made by the Prime Minister has come as a strong support for many industries in India as this allows the Indian industries to develop and diversify after the mayhem caused by the Corona virus pandemic. The fast-moving consumer goods (FMCG) sector is an important giver to India's GDP growth. The sector has powerful presence of leading multinational companies, competition between organized and unorganized players, robust distribution network, and low operational cost. This paper studies the importance of Indian FMCG sector and its impact on the call for "vocal for local" to become Self-reliant India.

Keywords: FMCG, Atmanirbhar Bharat, Self-reliant India, Impact, COVID-19

Introduction

On 12 May 2020, Indian Prime Minister Shri Narendra Modi pushed for the need to be 'self-reliance' or 'Aatmanirbhar', as he highlighted India's success in fighting the corona virus disease. The Indian government has solicited the local companies to focus on "Make in India", but also for the propagation of local brands, manufacturing, and supply chain.

The world today collectively stands at the threshold of an unprecedented recession. Driven by contractions in both supply and demand, the COVID pandemic continues to pose several extraordinary challenges to value chains worldwide. Contrary to this backdrop, the consumer goods sector stands apart: FMCG companies, as producers of essential goods, have been allowed to operate across the globe amid lockdown restrictions.

Rationally speaking India might not be able to close its doors to the foreign market because today Indian products have made a prominent presence in the global market where it is not just a consumer but also a seller of products such as dryfruits, cooking oil, spices etc. Therefore, closing doors to the foreign market would also mean closing its selling business with its foreign clients which in every aspect would be an undesired deal.

Therefore, one has to understand that being FOR AT words for local" does not mean completely closing

Vol. 13 No. 04 Scheber - Pedamber 2020

08.06.2022

Fr. Dr. CHERIAN J-KOTTAYII
PRINOIPAL
Mar Athanasios Collège For Advanced Studies
Tiruvalla- 689101, Keraja

According to a study by India Brand Equity Foundation (IBEF), at present, India is the world's fifth-largest global destination in the retail space.

Real Estate plays a major role in the infrastructure of the country and is also a prominent employment generator. Retail makes up a considerable chunk of commercial real estate; however, 90% of the retail sector still comes under the unorganised category. Despite both state and central governments taking measures, more efforts need to be channelled to organise the sector.

To boost demand that is currently subdued, the government will have to acton relief measures to encourage flexible spending. One way to improve the situation is by creating additional liquidity to raise demand. Examples from Germany advocate that certain tax rebates and holidays could improve the buyer's sentiment. For example, though being considered as essential goods, soaps, toiletries, biscuits, and packaged food fall in the 18% tax bracket. The government should not only consider reducing the tax rate for such items to 12% but should bring down the number of tax slabs that are present in the new GST regime.

With the relaxation of the lockdown restrictions and the reopening of several businesses, it is now time for vital reforms that will make the nation self-reliant, especially in areas that need immediate intervention, such as manufacturing, retail, agricultural and technological areas.

Conclusion

The FMCG industry in India has been lively and was undergoing important changes in the years leading up to the pandemic. There is a long way to the full revival for India and the only imperative now is to renovate outdated policies. However, technology is catalysing the manner in these reforms shaping up. Even during the lockdown, technology played a vital role in ensuring the continuity of business and encouraging offline retailers to adapt to stay relevant. It is also evident to conclude that in the future, technology will play the role of an 'enabler' for many reforms, especially for various segments dependent on the retail industry. Indian FMCG market is anticipated to show a positive growth trend in the coming years. Positive economic

environment, low inflation rates and development initiatives led by the central government mainly are instrumental in the uptick of the market. Measures being carried out in these sectors will create a conducive atmosphere for fresh investments, which in turn will play a crucial role in kick-starting the economy of an Atmanirbhar Bharat that will driveus through this turbulent phase.

References

Jaray, S, . Marketing Ultimo, NSW: Career FAQs Ltd, 2005

Lancaster, G. and Withey, F., Marketing Fundamentals. Burlington, MA: Butterworth-Heinemann Publisher, 2013

Sharan, M. B., Tisdell E. J., Qualitative Research: A Guide to Design and Implementation 4th Edition, Jossey-Bass, John Wiley & Sons, 2015 Ramaswamy, V. S., and Namakumari, S, Marketing Management. New Delhi: Tata

https://www.afaqs.com/news/mktg/nielsens-annual-fmcg-report-an-overview

https://www.assocham.org/ newsdetail.php?id=5963

McGraw-Hill Education, 2013

https://bestmediainfo.com/2020/07/consumersentiment-on-vocal-for-local-showing-steadygrowth-says-nielsen-report/

https://blog.smallcase.com/impact-of-covid-19-on-the-fmcg-sector-in-india/

https://www.ibef.org/download/FMCG-July-2017.pdf

https://www.indianretailer.com/article/whatshot/trends/key-fmcg-trends-for-2020.a6477/

https://officechai.com/stories/pm-modis-focusself-reliance-prompts-list-made-indiaalternatives-foreign-products/

https://pansari.co.in/why-india-should-be-vocal-for-local-in-its-fmcg-industry-part-2/

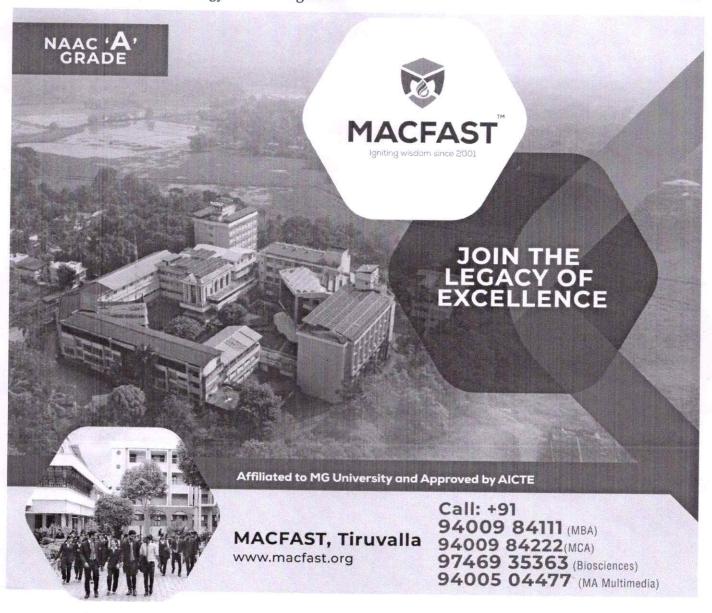
https://www.researchgate.net/publication/ 344139429_Impact_of_Coronavirus_pandemic_on_

fast_moving_consumer_goods_FMCG_sector_in_India https://www.techsciresearch.com/admin/

gall_content/2016/11/

2016_11\$thumbimg102_Nov_2016_004628313.pdf

Fr. Dr. CHERIAN I KOTTAYIL
HRINOLFAL
Mar Athanasias college For Advanced Studies
Tiruvalla- 689101, Kerala



TOP 100+ RANKS DSIR RECOGNIZED NIRF 2020 RANK BAND 151-200 FULLY SOLAR POWERED CAMPUS

MG University 8 out of 10 Ranks in MBA 2016-18 & MCA 2017-19 Programmes Offered:

MBA MCA

| M.Sc.: ▶ Biochemistry

- ▶ Bioinformatics ▶ Bionanotechnology
- ▶ Biotechnology ▶ Plant Biotechnology
- ▶ Food Technology & Quality Assurance
- Phytomedical Science & Technology

MA Multimedia

Academic collaborations and MoUs with National and International organizations including Indian Institute of Information Technology (HIT) Allahabad, CSIR-CFTRI, CSIR-NISCAIR, ICAR and AMITY University





MACFAST Innovation Corporate Synergy









Entrepreneurship Development Council



Printed, published and owned by Fr. DE and printed at St. Joseph's Offset Printed

08.06 incipal, MACFAST, Tiruvalla - 689 101, Pathanamthitta, Kerala, India 101; Pathanamthitta, Keralaj Managing Editor. Fr. Dr. Cherian J. Kottayil, PRINCIPAL

Mar Athanasios College For Advanced Studies
Tiruvalla- 689101, Kerala