



# Jagannath International Management School

MOR, Pocket-105, Kalkaji, New Delhi-110019

(Affiliated to Guru Gobind Singh Indraprastha University and Approved under Section 2(f) of UGC Act 1956)

Accredited by National Assessment and Accreditation Council (NAAC)



## Key Indicator 3.3.2- Research Publication and Awards

### For Assessment year 2021-22



## About the Authors



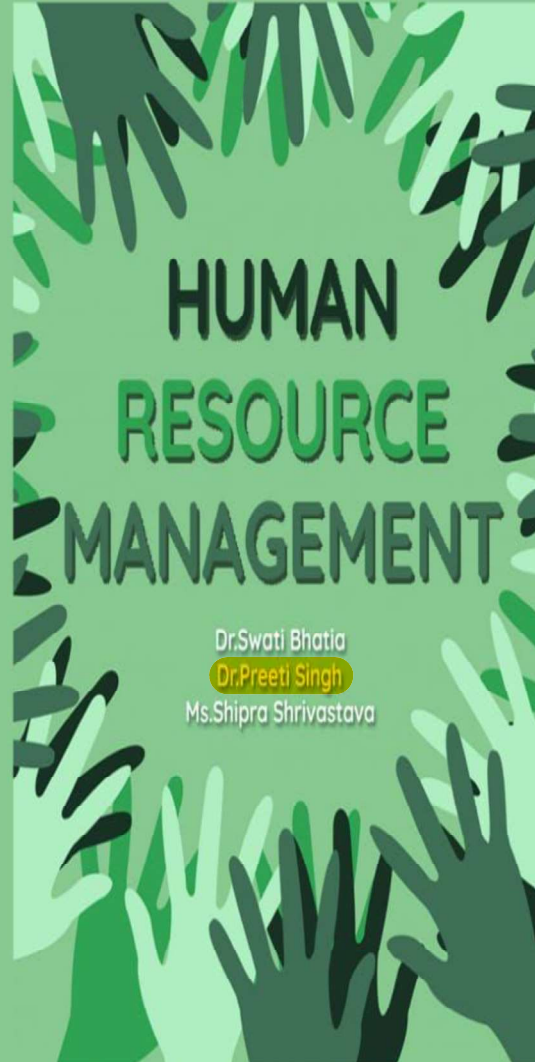
Associate Prof. Swati Bhatia, PhD With assignments in areas of Administration, Human Resource Management, Liaison Coordination, Team Management, Training & Development. Swati has a noteworthy cross-functional experience of over 19 years in Strategic & Tactical Planning, Problem Resolution, Customer, Performance Management and Onboarding. An out-of-the-box thinker with a fair education while identifying & adopting emerging trends and addressing industry requirements to achieve objectives bearing adherence to norms, her insightful experience in technical activities including scoping, planning, outlook finalization, resource administration & quality management continues to benefit tasks she's been assigned across various responsibilities.



Assistant Prof. Preeti Singh PhD. With 12 years of teaching and research experience in the area of organisational behaviour, human resources management and organization development. Preeti has consistent bright academics and was State University Topper in graduation and doctorate in management from UN ranked Banasthali Vidyapeeth. Preeti possesses flair for writing and is involved in developing strategic learning modules for distance learning, MBA. Developed Course Content for BBA/COM/BA courses for various universities like Pune Central University, Bharathiar and Anna University. Published many research papers with high impact factor in UGC and Scopus approved Journals. Attended around 10 FDP from Teaching and Learning Centre Ramanujan College, Delhi University under Ministry of Education with grade



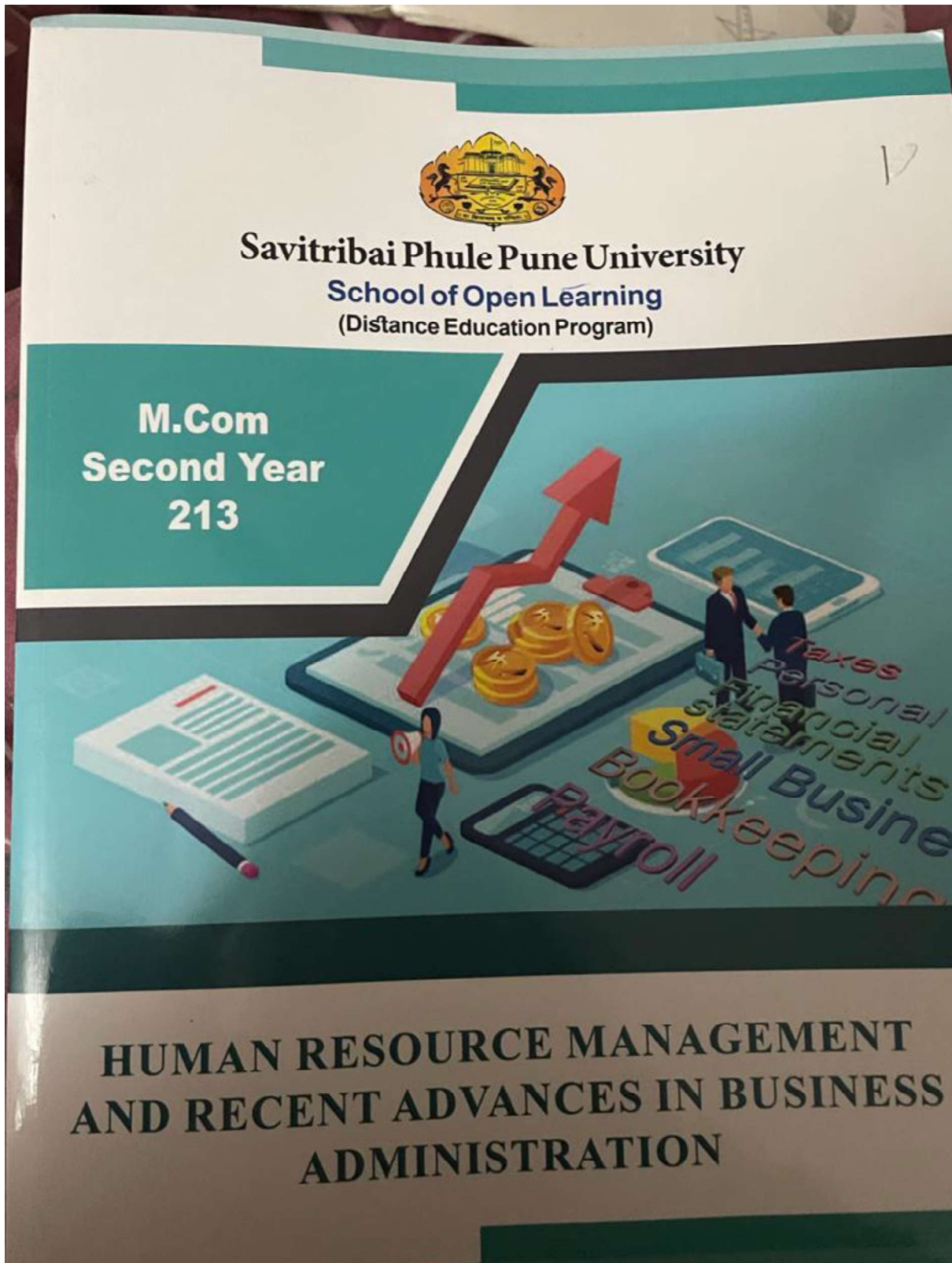
Assistant Prof. Shipra Shrivastava MBA, An Educatorist who has guided over 100 Postgraduate Research students reading Human Resource Management. Shipra, credits an impressive career spanning 14 years has earned various accolades across responsibilities entrusted in her. A passionate student counsellor, her areas of interest are Human Resource Management, Organisational Behaviour, Change Management and Competency Mapping. She has to her credit, publishing and presenting papers in several National and International seminars across institutes of repute, with her work having been published in notable Journals as well.



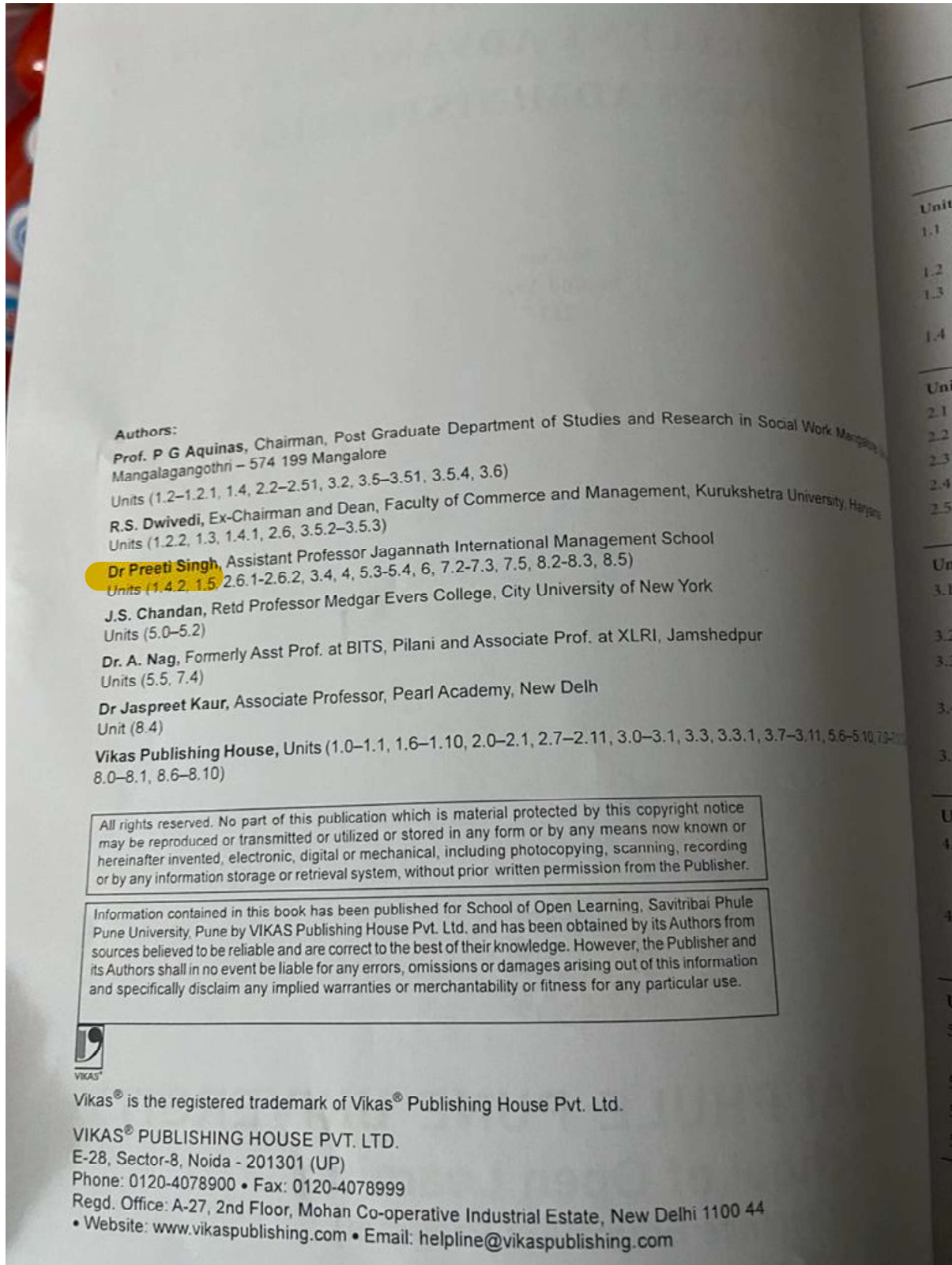
Jayalakshmi Publications  
140, TPK Main Road  
Vasanthanagar, Madurai - 625003  
Cell: 9842 695 695, 9865 777 122

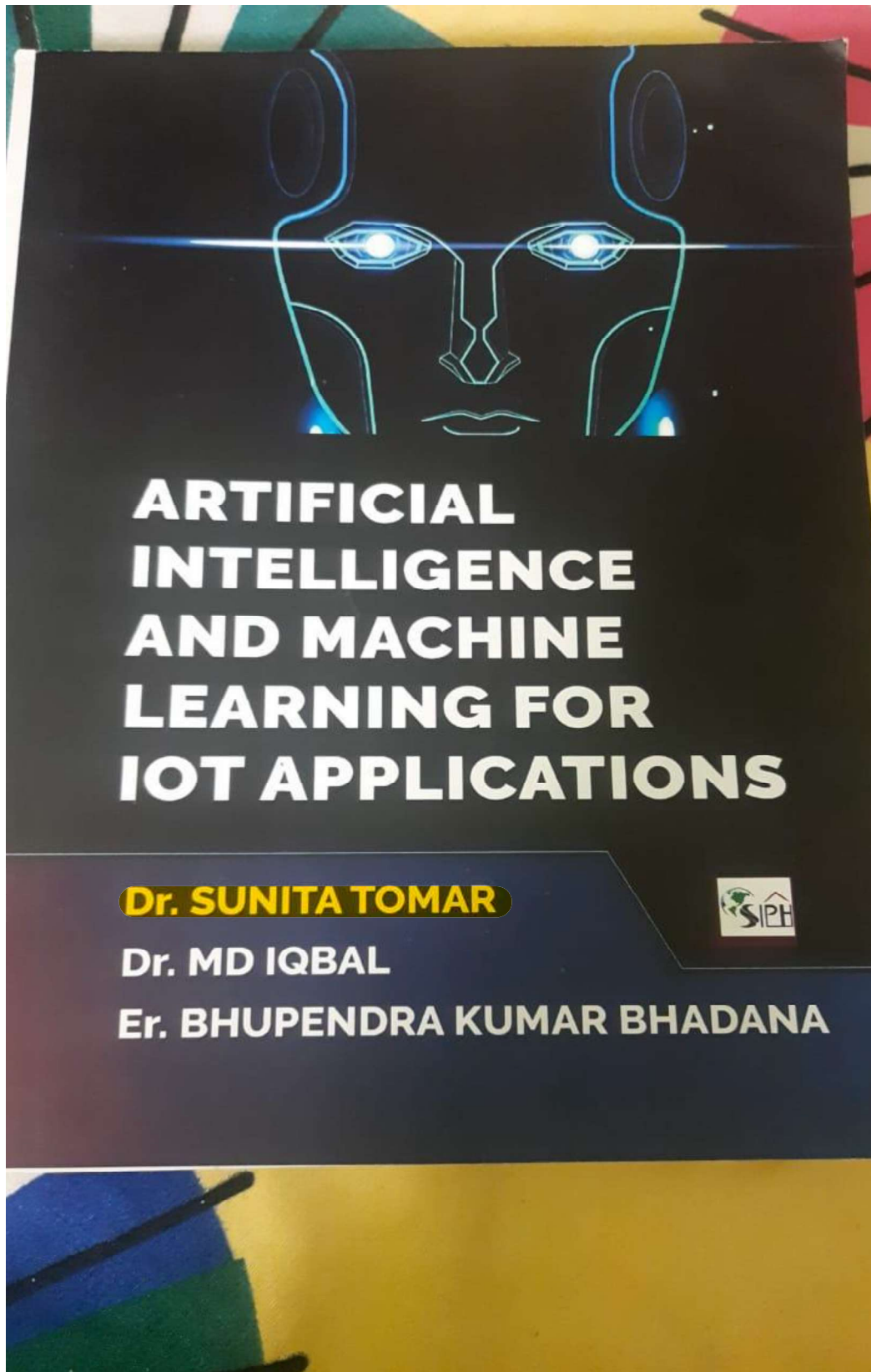
ISBN 978-93-91987-69-5

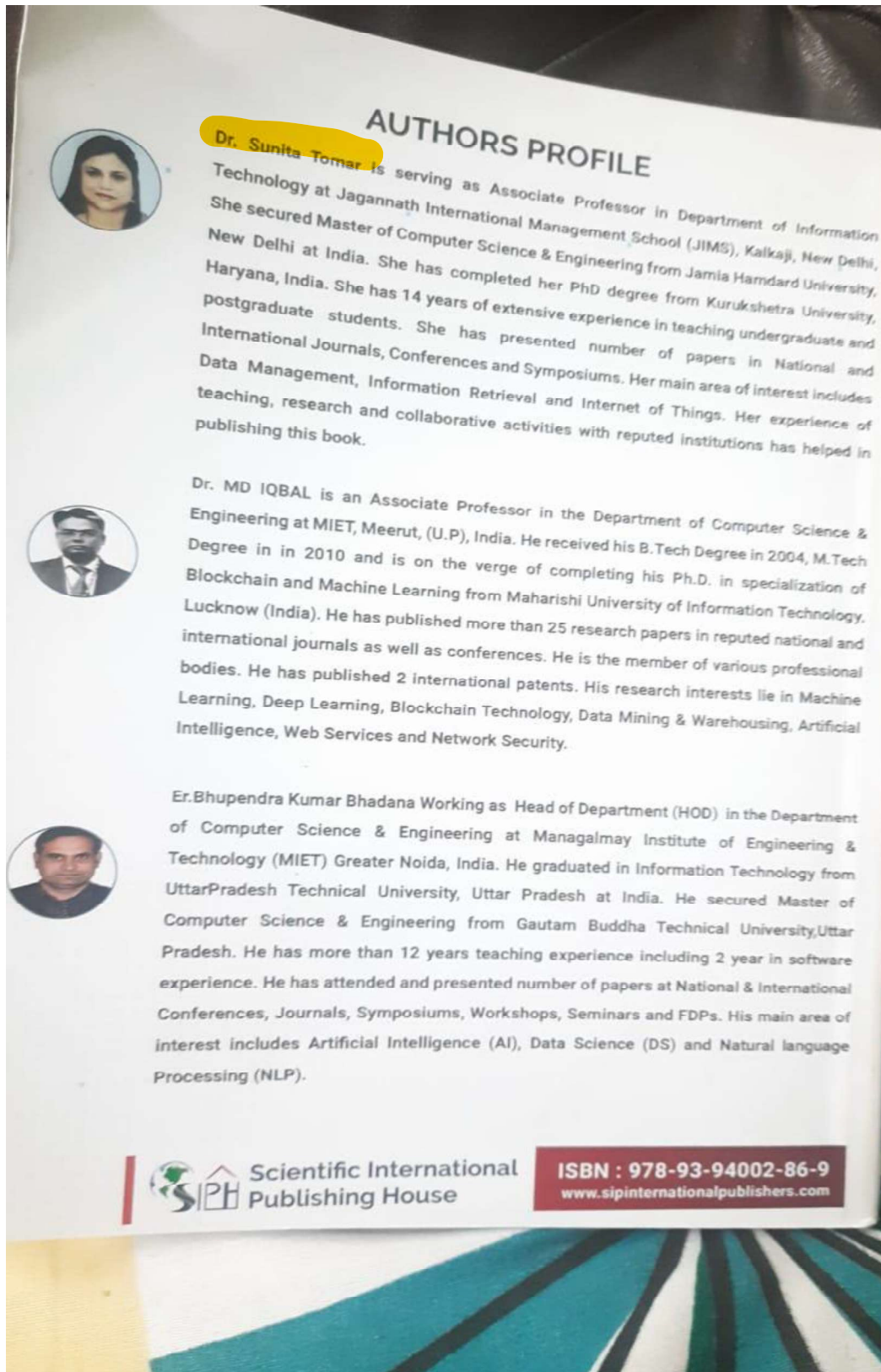
















**Recent Trends in Thermal Engineering**, pp 231–242

## Query Optimization of Corporate Service Quality Using Log Shipping Architecture

Sunita Rani, [Bhupendra Kumar](#) , [Deepkiran Munjal](#) & [Shweta Chaudhary](#)

Conference paper | [First Online: 05 August 2021](#)

**187** Accesses

Part of the [Lecture Notes in Mechanical Engineering](#) book series (LNME)

### Abstract

The current research is an empirical assessment of measuring the effectiveness of the application of query optimizing log shipping architecture in corporate India. Theoretically stating, the major aim of integrating such database architecture at a workplace aims at reducing the technical debt and

number of fixes required along with increasing the efficiency of maintenance of transaction logs and data retrieval with avoidance of any kind of failure. This research study has been conducted in order to verify the efficiency of the working of these optimizers in the corporate world. Thus, the major objective of this research is to measure the effectiveness of the stipulated database architecture through various variables of service quality including reliability, responsiveness, security, competence and durability. The study further aims at examining the impact of these variables on the effectiveness of the stipulated architecture. The sample included the technical staff working in the corporate sector in the technical or IT department in several companies located in Delhi-NCR based on convenience sampling. The data were collected through a self-structured questionnaire that was floated to online to the respondents comprising a total sample of 400 respondents. The questionnaire was reliable as the Cronbach's alpha was greater than 0.75. Its validity was also checked by some professionals in this field along with some academicians working for the same. Multiple regression analysis has been used to examine the impact of the given variables on the effectiveness of the query optimizing log shipping architecture at the workplace. The results provided insights regarding the level of effectiveness of the database architecture in the organizations in order to gain efficiency. This study has been quite relevant as it empirically tested the effectiveness of the given query optimizing architecture along with identifying the factors



# Analysis of Financial Health of Pharma Companies of India

**Dr. Prabal Chakraborty**

Associate Professor (Management)

Jagannath International Management School, New Delhi

**Abstract:** Pharmaceutical production in India has expanded speedily in past two decades and, as a result, India become the world's third major producer of pharmaceuticals. The pharmaceuticals industry is more than hundred years old. The pharmaceuticals industry is covering the entire world with an extraordinary growth. Due to change and improvement of government policy & technology as well as free licensing policy, imports of foreign technology are freely permitted with some restriction. The socio-economic growth and living standard of the people have also widened its opportunity and growth of pharmaceuticals industry. It has played important role in the strong development of Indian economy. It achieved an excellent growth in pharma production which include medicine and medical utensils as well as consumption in India and international market. Considering above fact, this paper attempted to study the growth of sales, profitability and foreign earnings of selected steel and iron companies. For this purpose, data have been collected from various secondary sources. The data have been analyzed by using multiple regression. The results revealed that Return on Capital Employed (ROCE) is the major independent factor which influences the profitability. The study determines that Net Profit Margin is the indicator to the profitability.

**Abbreviation:** Return on Assets – ROA, Return on Capital Employed - ROCE, Net Profit Margin - NPM, Total Debt To Equity Ratio - DER, Inventory Turnover Ratio – ITR, Return on Investment – ROI , Return on Equity - ROE and Earning Per Share - EPS.

## INDIAN PHARMACEUTICALS INDUSTRY:

The performance of Indian Pharmaceuticals Company registered a remarkable growth over the recent few years. The industry got all the essential ingredients required for dynamic growth like strong domestic demand and international market demand of medicine from pharmaceutical sector. Industrial reform in July 1991 also extended its help for development of the pharmaceutical industry in India. India is the largest provider of generic drugs globally. It meets demands of

drugs, tablets, pharmaceuticals capsule/syrup, anti-cancer medicines, generic pharmaceuticals and injectable products more than 700 of the country's. There are five central public sector units about two hundred fifty big manufacturing units and more than nine thousand small-scale manufacturing Pharmaceutical Industry in India. The worldwide pharma market is predicted to be more than double to \$3 billion by the year end 2021. The Indian pharmaceutical industry is the third major industry in the World in terms of volume and tenth largest in terms of value.

## MARKET SIZE :

As per Economic Survey Report 2021 state that India's Gross Domestic Product (GDP) contracted to 7.3%. However, Pharmaceutical Companies are one of the few sectors in India that have consistently shown a growth rate, despite economic slowdown. Indian pharmaceutical sector meets 50% of global demand as various types of vaccines, generic demand of US to the tune of 40% and various types of medicine to the tune of 25% in the UK. India enjoys a significant place in the global pharmaceuticals sector. The India has a large pool of biomedical scientists and bio-medical engineers with a potential to pilot pharmaceuticals industry into to greater heights. Apart from above, Indian pharmaceutical companies are major supplier of Acquired Immune Deficiency Syndrome which is used 80% patients globally to fight against AIDS.

Indian pharma companies exporting more than 200 countries including highly controlled markets like Japan Australia US and West and East Europe.

As per pharmaceutical industry annual report 2020-21

1. The total size of the industry (including drugs & medical devices) - US\$43 billion
2. Current growth rate -  
(a) 7-8% in drug sector  
(b) 15- 16% in medical device sector.
3. Total exports (drugs and medical devices) - US\$20 billion (Rs.1,47,420 crore)
4. The imports Pharmaceuticals products which include medical devices Rs. 72,800 crores