



# MANU MATHEW

Research Fellow

AREA: Operations Management and Quantitative Techniques (OM & QT)

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## EDUCATION

### Fellowship Program in Management-OM & QT

Indian Institute of Management | Indore, India

07/2021 - Present

### M.Tech IN INDUSTRIAL ENGINEERING AND MANAGEMENT

NATIONAL INSTITUTE OF TECHNOLOGY | Calicut, India

08/2018 - 06/2020

### B.Tech IN MECHANICAL ENGINEERING RAJAGIRI SCHOOL OF ENGINEERING AND TECHNOLOGY | Ernakulam, India

07/2013 - 05/2017

## PERSONAL PROJECTS

### TRUST EVALUATION MODEL FOR SUPPLY CHAIN UNDER BLOCKCHAIN ENVIRONMENT (07/2019 - 06/2020)

- This work exhibits a clear picture of the factors that affects the trust in a supply chain working under block chain environment. Also this work explain about how trust in supply chain under block chain environment differs from trust in a traditional supply chain.

### SCHEDULING OF HEALTH STAFF FOR SMOOTH OPERATION IN HOSPITAL (12/2018 - 04/2019)

- In this project, a mathematical model is developed for a seasonal demand for nurses of a hospital. It is assumed that annualized hours planning is acceptable to the employs. The model developed is MILP type and can be solved using LINGO solver.

## WORK EXPERIENCE

### Assistant professor St. Joseph's College of Engineering & Technology

08/2020 - 07/2021

## SKILLS

Simulation in Excel, Arena, Witness, Jack

optimization software lingo and Ampl

R - Studio and SPSS

AutoCAD

Experience in supply chain role play exercise

## ACHIEVEMENTS

Convener for mechanical branch in technical fest "ABHIANTRIKA" conducted at Rajagiri school of engineering

Attended Faculty Development Program on "Introduction to blockchainTechnology" at Government engineering college Palakkad

## PUBLICATIONS

Review on Perspectives in supply chain trust evaluation. Mathew, M., Sunny, J., & Pillai, V. M. (2020). *Proceedings of International Conference on Intelligent Manufacturing and Automation (pp. 285-298)*. Springer, Singapore.

## INDUSTRIAL TRAINING UNDERGONE

Industrial Internship at ONGC Limited, Karaikal , Puducherry

Industrial Internship at FACT Ambalamugal, Ernakulam

Industrial visit to HMT, Cochin

## RESEARCH INTERESTS

Supply chain and logistic modelling

Healthcare operations and decision making

Lean Manufacturing

Ergonomics