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NAAC CRITERIA 3- RESEARCH, INNOVATIONS AND EXTENSION

Key Indicator 3.3 Research Publication and Awards

3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher.

Sr. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Name of the conference	Year of publication
1	Dr. Archana Dehankar	NA	Stock Market Prediction	3rd International Coference on Recent TrendScience and Technology(ICRTST - 2021)	2021
2	Dr.Snehal S. Golait	NA E-Commerce Portal "Innovations in ONE Networks, Computed intelligence and Intelligence and Intelligence and Intelligence and Intelligence and Intelligence and Intelligence Intellig		International Conference "Innovations in Computers Networks, Computational Intelligence and IoT" (ICICCI-21)	2021
3	C N.Sakhale	Lecture Notes in Designing a mechanics, to Industrial and		Manufacturing System	2021
4	Sagar shelare	Lecture Notes in multidisciplinary Industrial enginnering	Design And Analysis of Two wheeler suspension helical compression spring	International Conference on Industrial and Manufacturing System (CIMS- 2020)	2021
5	Subhash waghmare	Lecture Notes in multidisciplinary Industrial enginnering	Development of sheet metal die by using CAD and simulation technology to improvement of quality	International Conference on Industrial and Manufacturing System (CIMS- 2020)	2021
6	M.S.Giripunje	Lecture Notes in multidisciplinary Industrial enginnering	Designing a mechanics, to paint a Conical shaped part	International Conference on Industrial and Manufacturing System (CIMS- 2020)	2021

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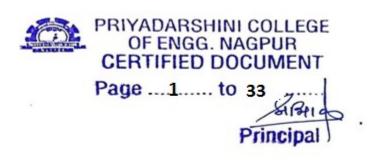


NAAC CRITERIA 3- RESEARCH, INNOVATIONS AND EXTENSION

7	S D Shelare	Lecture Notes in multidisciplinary Industrial enginnering	Designing a mechanics, to paint a Conical shaped part	International Conference on Industrial and Manufacturing System (CIMS- 2020)	2021
8	Sagar Shelare	Lecture Notes in multidisciplinary Industrial enginnering	Development of sheet metal die by using CAD and simulation technology to improvement of quality	International Conference on Industrial and Manufacturing System (CIMS- 2020)	2021
9	C K temburkar	Lecture Notes in multidisciplinary Industrial enginnering	A Critical review on Dissimilar joining Of ASS and FSS	International Conference on Industrial and Manufacturing System (CIMS- 2020)	2021
10	S D Shelare	Lecture Notes in multidisciplinary Industrial enginnering	Designing a mechanics, to paint a Conical shaped part	International Conference on Industrial and Manufacturing System (CIMS- 2020)	2021
11	S D Shelare	Matehmatical Modelling and Simulation	Procedure of collecting Field data causes, extraneous variables and effects	Procedure of collecting Field data causes, extraneous variables and effects	2021

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Books / Conference Papers



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Chairman, ICRTST-2021 MS Trust, Greater Noida, <u>UP.India</u>	Head of Department of Applied Mathematics Gautam Buddha University Greater Noida, UP, India
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Stock Market Prediction

Dr. (Mrs.) Archana Dehankar¹, Ayush Itankar², Abir Meshram³, Nayan Bhople⁴ and. Bhushan Patle⁵

¹Assistant professor, Department of Computer Technology, Priyadarshini College of

Engineering, Nagpur.

^{2,3,4,5}Students, Department of Computer Technology, Priyadarshini College of Engineering,

Nagpur.

Abstract:- Stock trading is one of the most important practices in the financial world. The act of attempting to forecast the future value of a stock or other financial instrument traded on a financial exchange is known as a stock market prediction. The majority of stockbrokers use technical and fundamental analysis, as well as time series analysis when making stock predictions. Python is the programming language used to use machine learning to forecast the stock market. In this project, we propose a Machine Learning (ML) method that will be trained using publicly accessible stock data to obtain intelligence, and then use that intelligence to make an accurate prediction. The project focuses on the use of Regression and LSTM based Machine learning to predict stock values. Factors considered are open, close, low, high, and volume.

Keyword:- Stock market analysis, linear regression, Recurrent neural network, LSTM, Future graph

Introduction:- A good stock forecast will result in huge profits for both the seller and the broker. It is often mentioned that prediction is chaotic rather than random, meaning that it can be predicted by carefully studying the background of the related stock market. Machine learning is a good way to describe these types of processes. It forecasts a market value that is similar to the tangible value, which increases accuracy. Because of its effective and precise measurements, the application of machine learning to the field of stock prediction has piqued the interest of many researchers. The dataset used in machine learning is critical. Since even small changes in the data can result in massive changes in the outcome, the dataset should be as accurate as possible. On a dataset obtained from Alpha vantage, supervised machine learning is used in this project. The following five variables make up this dataset: open, low, high, and volume. Different bid prices for the stock at different times with nearly direct names are known as open, high, low, and close. The number of shares that passed from one owner to another during the time span is referred to as the volume. After that, the model is put to the test with the test results. Regression and LSTM models are engaged for this conjecture separately. Regression involves minimizing error and LSTM contributes to remembering the data and results for the long run. Finally, the graphs for the fluctuation of prices with the dates (in the case of the Regression-based model) and between actual and predicted price (for the LSTM based model) are plotted.

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Proceedings of online "International Conference on "Innovations in Computers Networks, Computational Intelligence and IoT" (ICICCI-21) on 25th & 26th June, 2021

PAPER ID: ICICCI-21-0193

A review on Mart Shop – An E-Commerce Portal

¹Charul Mehta, ²Anisha Ninawe, ³Dipti Deoke, ⁴Aditi Pidurkar, ⁵Janvi Ghate, ⁵<u>Dr. Mrs. Snehal Golait</u> Priyadarshini College of Engineering, Nagpur, Maharashtra

Abstract - This paper is defining a short overview of the system called "Mart Shop" an e-commerce android app made with the latest technology flutter and dart programming. In this system we have developed an e-commerce app for small vendors who want to sell their products online without paying any extra cost for the online shop registration. Anyone can register on this app by entering limited details and that's it. Users can buy products easily like they go shopping on other shopping apps. The app is totally free for everyone.

Keywords - E-commerce, dart programming, flutter, vendors, sell and buy.

*Corresponding Author E-mail Address: charulmehta24@gmail.com

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Dilbagh Panchal Dr. B. R. Ambedkar National Institute of Technology Jalandhar, Punjab, India Mohit Tyagi Department of Industrial and Production Engineering Dr. B. R. Ambedkar National Institute of Technology Jalandhar, Punjab, India

J. Paulo Davim () Department of Mechanical Engineering University of Aveiro Campus Santiago, Aveiro, Portugal

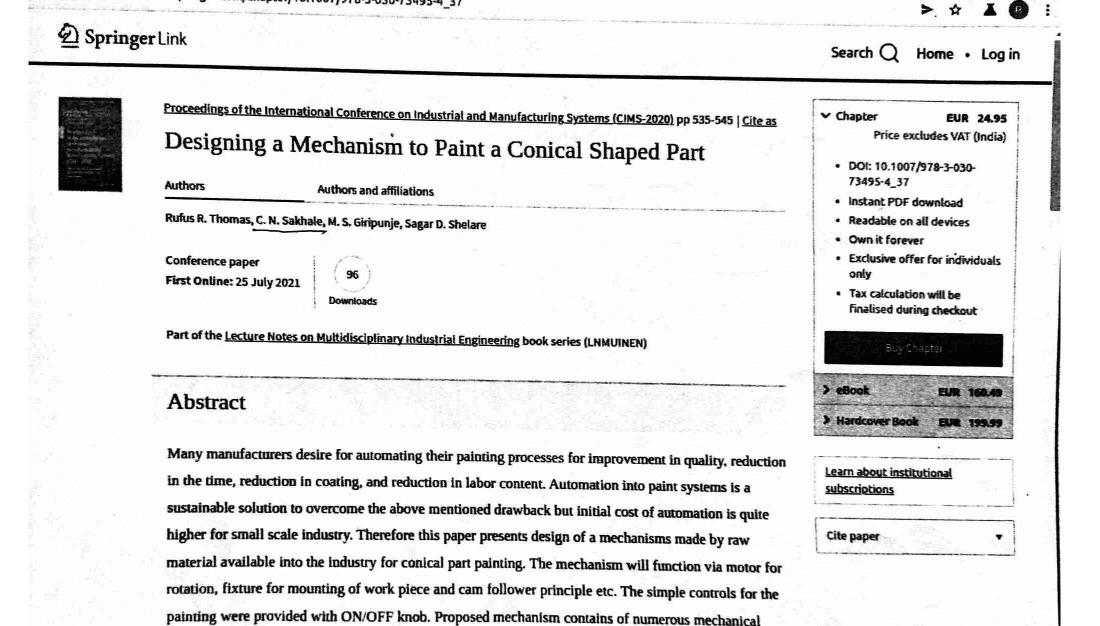
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parts which assembled together for carrying out a specific task. Mainly the synchronized movement between the rotating motor with work piece and spraying spray from automatic spray gun is the key

factor for this assembly model. Through the present mechanization speed of the motor as well as paint

flow can be controlled which results in enhanced finishing and reduction in processing time.

Keywords

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Dilbagh Panchal Dr. B. R. Ambedkar National Institute of Technology Jalandhar, Punjab, India Mohit Tyagi Department of Industrial and Production Engineering Dr. B. R. Ambedkar National Institute of Technology Jalandhar, Punjab, India

J. Paulo Davim Department of Mechanical Engineering University of Aveiro Campus Santiago, Aveiro, Portugal

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Design and analysis of two wheeler suspensions helical compression spring

Pravin B. Khope¹, Sagar D. Shelare^{1*}, Shubham S. Gunjal²

¹Assistant Professor, Department of Mechanical Engineering, Priyadarshini College of Engineering, Nagpur,

India

²PG Scholar, Department of Mechanical Engineering, Priyadarshini College of Engineering, Nagpur, India

Abstract- A helical spring utilized in bike having a place with a medium section of Indian car showcase. The point-to-point evaluation of the problem of helical spring used in the suspension system of motorcycles is studied in this project. Most of the time helical compression spring failed due to corrosion and improper construction. These issues understand by using redesigning and optimizing of suspension spring and also solve by using an applied thick layer of paint as a glue, legitimate warmth treatment. The stress and deflection can be reduced by using a newer type of alternative material. In this work spring rate to be increased due to the reduced number of active coils turns. The static analysis is done by using the finite element method to find out the detailed stress distribution of spring. The trial of the examination was performed to calculate the stiffness of the helical spring. Calculated results are compared with software and experimental result

Keywords- Helical compression spring, corrosion, spring rate, stiffness.

1. INTRODUCTION

Spring is defined as a flexible body, whose purpose is to deform when overloaded and to improve its original unique shape when the load is expelled (Zhao et. al., 2012). The main function is to absorb shock and vibration and provide comfort to the driver. The cross-area of wire is made might be circular, rectangular, or square. Springs are utilized to associate two sections by an adaptable joint to apply power or torque on a component or to assimilate vitality (Dym, 2009; Dhande, et. al., 2020). The force and adaptability are two essential requirements of spring design. The classification of the springs is as shown in figure 1.

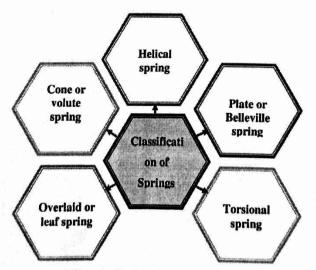


Figure 1. Classification of the springs

The helical compression spring is made up of a wired wound helix and fundamentally planned for compressive or tension loads (Azzam et. al., 2019; Jawlekar & Shelare, 2020). The cross-area from which spring is rendered could be circular, roundabout, and rectangle. There are two types of helical springs, the helical spring pressure, and the helical spring strain (Pasha, 2012). The external force helps to shorten the spring in the helical spring. External forces work together with the spring pivot and cause torsional shear stress problems in the spring cable (Ebrahimi, et. al., 2018). It ought to be noted that the coil is below pressure, a wire of helical spring is not exposed to pressure stresses. Also, the wire is not exposed to tensile force the spring is below strain (Waghmare et. al., 2020). The helical spring also classifies as a close helical

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J. Paulo Davim Department of Mechanical Engineering University of Aveiro Campus Santiago, Aveiro, Portugal

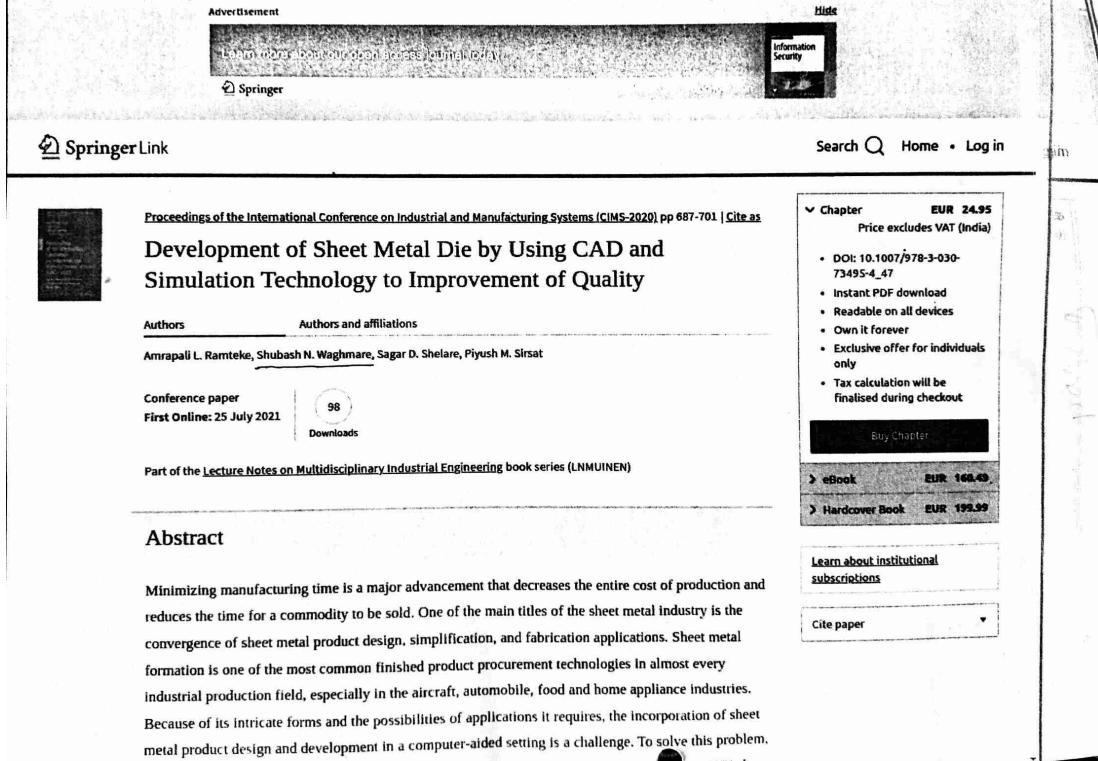
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many methodologies are being developed, such as a Single Minute Exchange Die System (SMED) that

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	Abstract	> eBook EUR 160.49 > Hardcover Book EUR 199.99
	Many manufacturers desire for automating their painting processes for improvement in quality, reduction	Learn about institutional subscriptions
	in the time, reduction in coating, and reduction in labor content. Automation into paint systems is a sustainable solution to overcome the above mentioned drawback but initial cost of automation is quite higher for small scale industry. Therefore this paper presents design of a mechanisms made by raw	Cite paper 🔻
	material available into the industry for conical part painting. The mechanism will function via motor for rotation, fixture for mounting of work piece and cam follower principle etc. The simple controls for the	
	painting were provided with ON/OFF knob. Proposed mechanism contains of numerous mechanical parts which assembled together for carrying out a specific task. Mainly the synchronized movement	
	between the rotating motor with work piece and spraying spray from automatic spray gun is the key	
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Keywords

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Mohit Tyagi Department of Industrial and Production Engineering Dr. B. R. Ambedkar National Institute of Technology Jalandhar, Punjab, India

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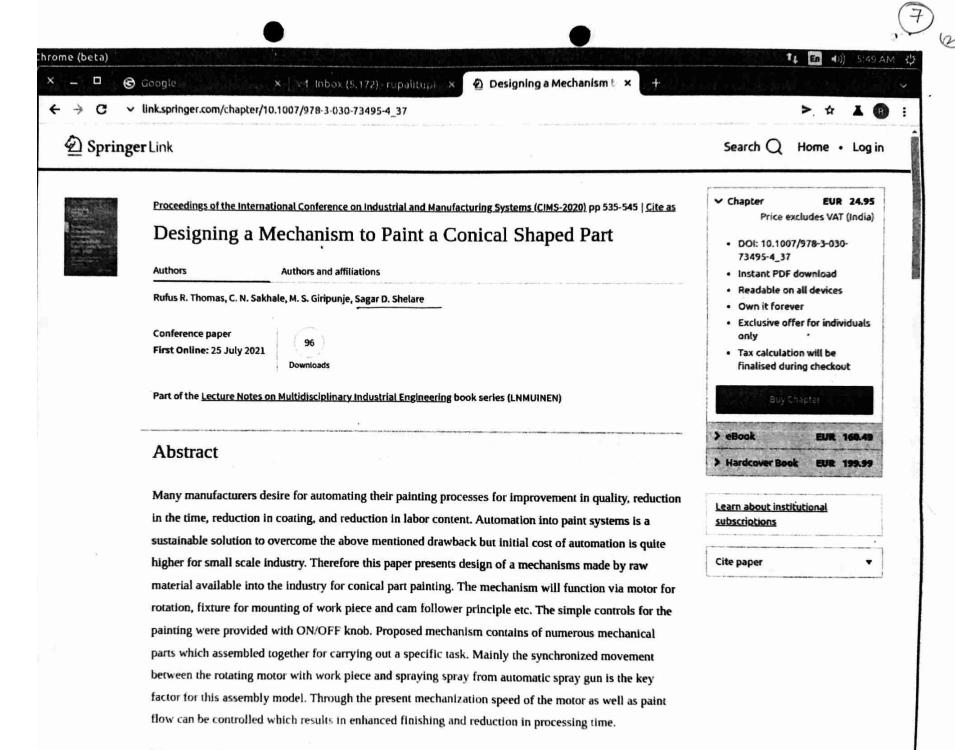
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Keywords

Conical shaped part Droduction to Inology Fixture development Synchronize movement

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Development of Sheet Metal Die by Using CAD and Simulation Technology to Improvement of Quality

Authors

Authors and affiliations

Amrapali L. Ramteke, Shubash N. Waghmare, Sagar D. Shelare, Piyush M. Sirsat

Conference paper First Online: 25 July 2021



Part of the Lecture Notes on Multidisciplinary Industrial Engineering book series (LNMUINEN)

Abstract

Minimizing manufacturing time is a major advancement that decreases the entire cost of production and reduces the time for a commodity to be sold. One of the main titles of the sheet metal industry is the convergence of sheet metal product design, simplification, and fabrication applications. Sheet metal formation is one of the most common finished product procurement technologies in almost every industrial production field, especially in the aircraft, automobile, food and home

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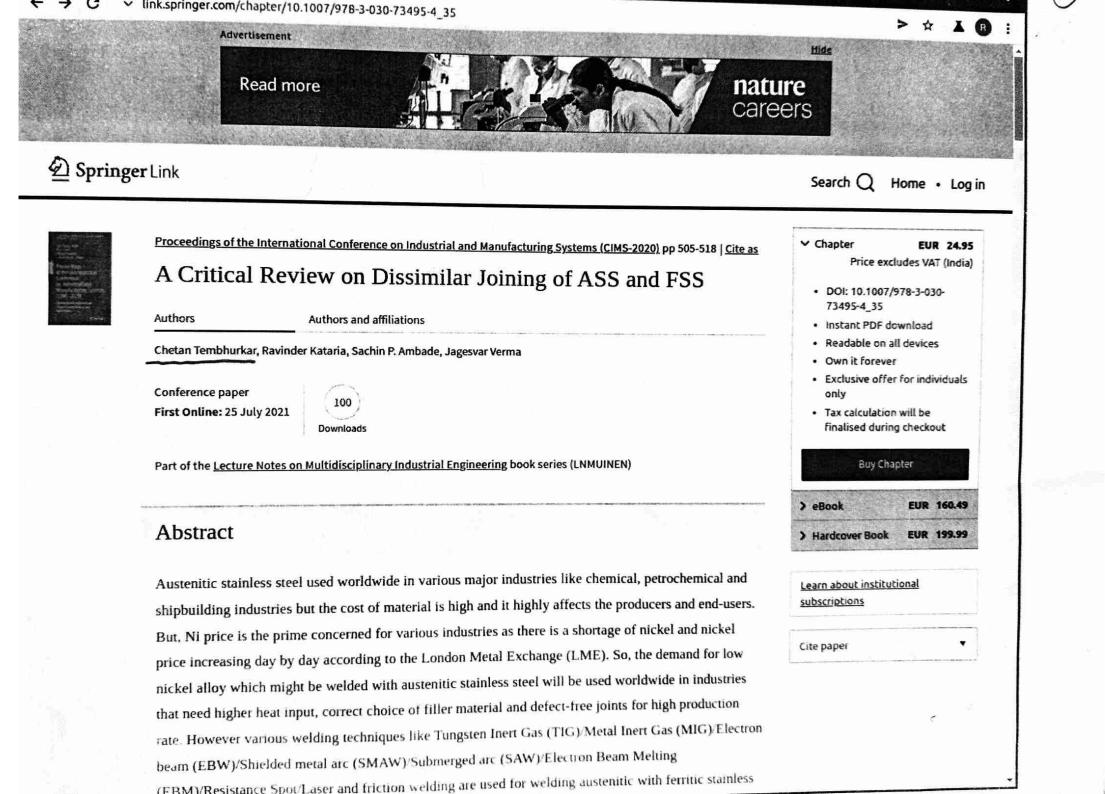
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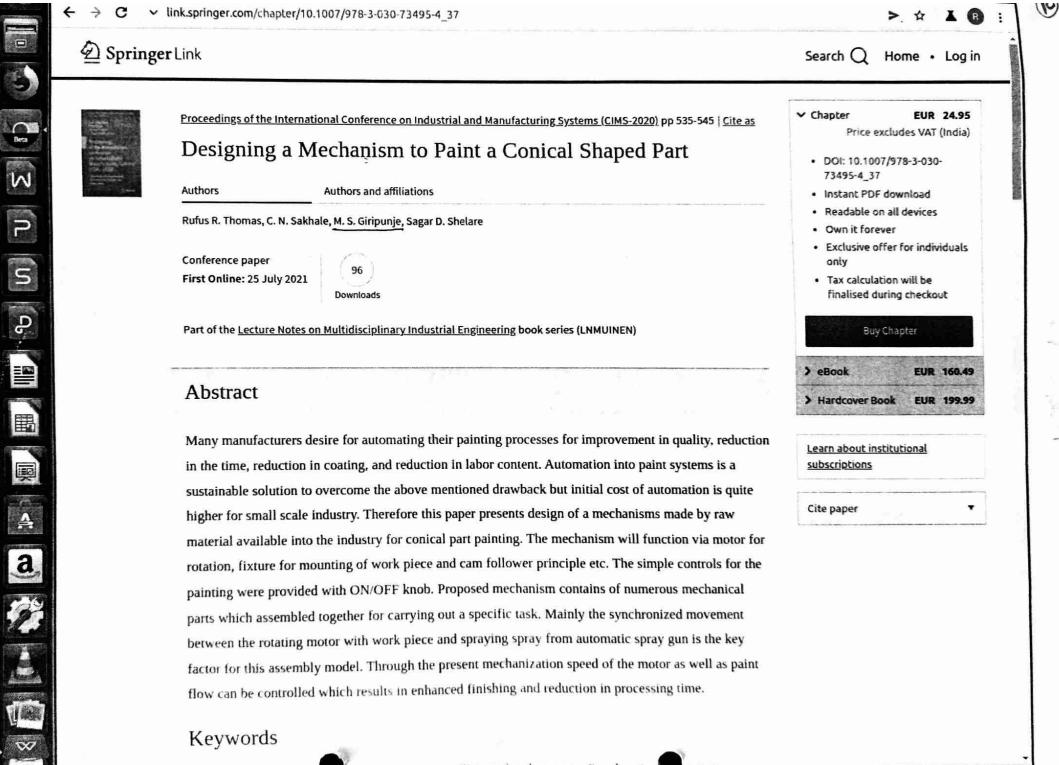
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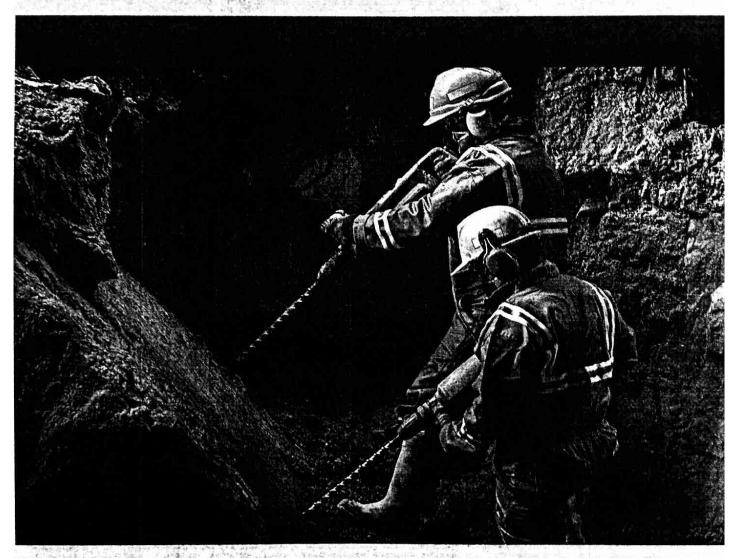
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Mathematical Modeling and Simulation

Case Studies on Drilling Operations in the Ore Mining Industry



Edited by P. N. Belkhode J. P. Modak V. Vidyasagar P. B. Maheshwary

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Edited by Dr. P. N. Belkhode Assistant Professor Laxminarayan Institute of Technology, Nagpur Dr. J. P. Modak Emeritus Professor, Ph.D (Mechanism), D.Sc (HPFM)

Ex-Professor, Visvesvaraya National Institute of Technology, Nagpur Advisor Technical J D College of Engineering and Management, Nagpur

> Dr. V. Vidyasagar Director National Power Training Institute, Bangalore

Dr. P. B. Maheshwary Director J D College of Engineering and Management, Nagpur



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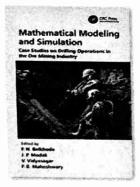
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30

Chapter

Procedure of Collecting Field Data: Causes, Extraneous Variables, and Effects

By Pramod Belkhode, J. P. Modak, V. Vidyasagar, Sagar Shelare

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