

# A STUDY ON EFFICACY OF ARTIFICIAL INTELLIGENCE IN STONE INDUSTRIES, INDIA

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## ABSTRACT

*In Today's epoch, technology plays a crucial role and its usage has spectacularly enlarged in every aspects of every field. Machines not only have their own brain but it can over smart human beings. Artificial Intelligence has high prominence to learn and rectify the mistakes which is beyond the human capacity. This paper deals with the Effectiveness of Artificial intelligence in the Indian stone Industry. The stone industries constitute 15 – 20% of overall industries in India. When compared to other countries, Indian stone industry has not well merged with the modern technology. The study brings out how to Foster the efficiency and effectiveness of the stone industries with the help of artificial intelligence. Predictive maintenance & optimization of Machines and Facilities, Interpretation of data that stream across the departments, Improving material and inventory management and so on. The Study concludes that artificial Intelligence leads to increase in productivity and gives less detection of defects in the process.*

**Keywords:** Stone Industries, Indian stone industries, Efficacy, Efficiency.

## INTRODUCTION

Now-a-days and in future, India is one of the biggest exporters of natural stone in the world and it becomes more constructive and attractive industrial area for the development of stone industry. Many countries like China, Spain, Mexico, Italy, United States of America, Canada and India have their Natural stone quarries throughout the world. Natural Stones are used as building material in India rather than many countries. Many Researchers stated that India will become economically stable in future and it will be one of Asia's giants. Researchers predict that in future India will grow economically and it will be one of Asia's giants. People nowadays prefers Natural stones because it acts as primary material for construction and it gives originality in the medium of creativity

Each country has unique soil and granite stones. Indian Granite design and monument are unique and it is hard to compare and copied by other countries. The unique appearance of Indian stone is definitely a competitive advantage that should be considered when planning to export. In global context, India plays a most important role in stone industries, thereby contributing revenue, employment opportunities and opportunities to the related industries. During the field research it has been found that many industrialists in India are unaware of using the version 4 and only a few have undergone the version 4. Few industrialists in Foreign countries like Europe, USA has implemented it to increase their efficiency. Such data collection and implementation factors have been analysed in this study.

## REVIEW OF LITERATURE

Sunday Ayoola oke (2008), in his research stated that Artificial Intelligence is a combination of detailed and clearly explained technology which can applied in the field. Artificial Intelligence brings the concept of information and technology globally in every Business and Non- profitable organization.

Santhosh (2016) mentioned in his paper version 4 of data has been used to improve the efficiency. During the production time, collective version 4 will be easily understandable and accessible by all types of machines. He further stated that through the implementation of Artificial Intelligence will help in better development in stone industries. New concepts and thoughts in Artificial Intelligence will develop the area of concentration of various industries.

Vasu Jalari and Dr. M. Devaraj ulu (2013) stated in their paper that Chithoor district in Andhra Pradesh is one of the largest exporters of Granites in india. Granite industry is more profitable one but they are facing number of issues and problems in terms of labors. It's hard to get skilled labors to operate the machine.

Mahima Mishra (2015), narrates the challenges and obstacles for stone industries in India in global market. He also stated that the Indian Stone industries have to find new strategies that would help the Indian Exporters to compete with the other countries.

### STATEMENT OF THE PROBLEM

Technology plays a vital role in the socio-economic life of all the individuals and community in our society. Industrialists in India do not flourish owing to lack of access to emerging technology globally. Countries like USA, Europe, Spain are dynamically adapting the technology which gives good efficiency and accuracy. In India, we are far away from the new technology and lagging in production level. The paper describes to find out the root causes for the poor Technological level and implementation of version 4 prevailing in the Indian stone industry.

### OBJECTIVES OF THE STUDY

1. To increase the efficiency of productivity in the Indian stone industry
2. To implement the version 4 data in the machine to reach the maximum efficiency

### SCOPE OF THE STUDY

The current research is confined to the stone industry of India, and further, reasons for the hurdle on availing of traditional technology facility alone are ascertained in this study.

### RESEARCH METHODOLOGY

#### Data

Primary data are considered to be important for this study. Data were collected based on Questionnaire as well as interview schedule method.

#### Sampling

By employing convenience sampling method, the data have been collected from 28 (respondents) stone factories in India.

#### Framework of Analysis

The data are analysed by making use of simple percentage.

#### Data collection

In early days, machines collect the data randomly from the internal memory and gives input to the process. Version 4 programming helps to retrieve the same data from the memory. Moreover, version 4 programming has their own system and it uses same type of data and compatible. Version 4 programming can be easily understandable by the artificial intelligence.

S. No	Company Name	Country	Programming Language	Time Consumption (%)
1.	Pedrni	Europe	Version 4	50%
2.	Breton	USA	Version 4	50%
3.	Thibhaut	Europe	Version 4	50%
4.	Ehwa	Korea	Version 4	50%
5.	Zenesis	Europe	Version 4	50%
6.	Promoetec	Korea	Version 4	50%
7.	Zenesis	Korea	Version 4	50%
8.	Cofiplast	Europe	Version 4	50%
9.	Simec	Korea	Version 4	50%
10.	Pelligirini	Europe	Version 4	50%

### FINDINGS

It has been found that many industrialists are unaware of version 4 machine language concept in the machine. Version 4 machine programming language retrieves the data from the memory and it makes comparison between current data and learned data. They were made to continue their work by using old technological concept. Some industrialist stated that many of them are not ready to accept the new dynamic features along with spending money and they do not want to come out of the comfort zone level. This also seemed to be one of the reasons for the industrialist to showing disinterest about version 4. The environmental factors too were found to play a major role in reducing the interest level among the industrialists. By Implementing, Version 4 machine programming language retrieves the previous data which is already stored in the machine and it splits the data as an individual data

### SUGGESTIONS

Efficiency has been improved if the industrialists were made to implement the version 4 programming. Version 4 consolidated the data with the help of API and it makes the data in to analysis. API helps to collect the data

and it gathers the data as an individual data. The different data can be sort out by using API. Manufacturing company has version 4 programming and if the industrialists were used the efficiency and the time saves up to 50%. By Implementing, Version 4 machine programming language retrieves the previous data which is already stored in the machine and it splits the data as an individual data. Version 4 programming helps to bring out the comparison between learned data and the current data. During the process Version 4 brings easy accessibility to the machine, which saves time and increases the efficiency.

### **CONCLUSION**

Artificial Intelligence makes intelligent machines which replace and enhance the human capacity. In Manufacturing stone industry, version 4 machine language improves the efficiency and consumes time during the production process. Emerging Industrialist could minimise the usage of old version and will encourage the growth in the factories among the Indian stone industrialists. It could be concluded that implementing version 4 programming from manufacturing department will pave way for improving the efficiency among the industrialist. Indian Industrialist have to concentrate more on this and it highly gives good economic level and it brings rapid growth in their cycle.

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