

ISBN	978-93-88122-14-6
Website	www.veltech.edu.in
Received	02-May-2020
Article ID	NISDCE131

VOL	01
eMail	nisdce@veltech.edu.in
Accepted	17-May-2020
eAID	2020.nisdce.131

## MULTI CRITERIA DECISION ANALYSIS FOR INVENTORY MANAGEMENT

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**ABSTRACT:** Infrastructure development involves a huge number of raw materials for the construction which on proper management yields 2% to 3% profit. Nevertheless, there is a lack of proper inventory management system. Unlike other industry, in most cases, the stock manager of construction industry goes for very basic system of inventory management like paper keeping. This system proves to be very tedious when the inventory to be managed is more. After the development of computer systems and operational research, many number of inventory management software were developed. These software's run with some models to segregates the inventory item into some definite class for later management. The aim of this project is to find a suitable model that can categorize the construction inventories into three broad classifications and use it for further inventory management. In this project, the classification is based on multi criteria to prevent subjectivity of an item over single criteria.

**Keywords:** Multi-criteria, Inventory Model, Single Criteria, Inventory Management

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