

271 Views | 5 CrossRef citations to date | 0 Altmetric

Original Articles

# Flexible kanbans to enhance volume flexibility in a JIT environment: a simulation based comparison via ANNs

A.F. Guneri , A. Kuzu & A. Taskin Gumus

Pages 6807-6819 | Received 19 Jul 2007, Accepted 07 Aug 2008, Published online: 28 Oct 2009

 Cite this article  <https://doi.org/10.1080/00207540802425351>

Sample our Engineering & Technology Journals  
>> [Sign in here](#) to start your access to the latest two volumes for 14 days

 Full Article  Figures & data  References  Citations  Metrics

**We Care About Your Privacy**

We and our 883 partners store and access personal data, like browsing data or unique identifiers, on your device. Selecting I Accept enables tracking technologies to support the purposes shown under we and our partners process data to provide. Selecting Reject All or withdrawing your consent will disable them. If trackers are disabled, some content and ads you see may not be as relevant to you. You can resurface this menu to change your choices or withdraw consent at any time by clicking the Show Purposes link on the bottom of the webpage. Your choices will have effect within our Website. For more details, refer to our Privacy Policy. [Here](#)

We and our partners process data to provide:

- Use precise geolocation data. Actively scan device

**I Accept** **Reject All** **Show Purpose**



Abstra  
Kanbans  
system.  
satisfact  
mecha  
and  
by (Huss  
flexibility  
(2), 653-  
number  
inventor  
propose

T production  
ot work  
control  
e inventory  
as proposed  
ance volume  
mics, 104  
etermine the  
tal  
method  
n the results

for the conventional method of fixed kanban determination. This is also confirmed by a

simulation study using artificial neural networks (ANNs). The main aim of this paper is to show the cost advantage for Hussein et al.'s method over the conventional method in fluctuating demand situations, and especially to prove that simulation via ANNs ensures a simplified representation for this method and is time saving.

Keywords:

just-in-time

kanban

flexibility

volume flexibility

artificial neural networks

## Related research

People also read

Recommended articles

Cited by  
5



Information for

- Authors
- R&D professionals
- Editors
- Librarians
- Societies

Opportunities

- Reprints and e-prints
- Advertising solutions
- Accelerated publication
- Corporate access solutions

Open access

- Overview
- Open journals
- Open Select
- Dove Medical Press
- F1000Research

Help and information

- Help and contact
- Newsroom
- All journals
- Books

Keep up to date

Register to receive personalised research and resources by email

 Sign me up



Copyright

Accessib

Registered  
5 Howick Pl

or & Francis Group  
orma business

