

ORGANIZATION NAME:



## PROBLEM STATEMENT: Real Time Supply Chain

Component suppliers plan raw material procurement and their internal manufacturing processes as per the 'forecast' from SKF. Any delay due to manufacturing / dispatch of raw material due to machine breakdown, workmen absenteeism, over booking by customers with respect to capacity etc, can delay deliveries to customers in turn affecting final customers. A system to be developed to know real time status of all vital activities/ actions to customer & advance warning alarm should go off in case of any delays.

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### Solution

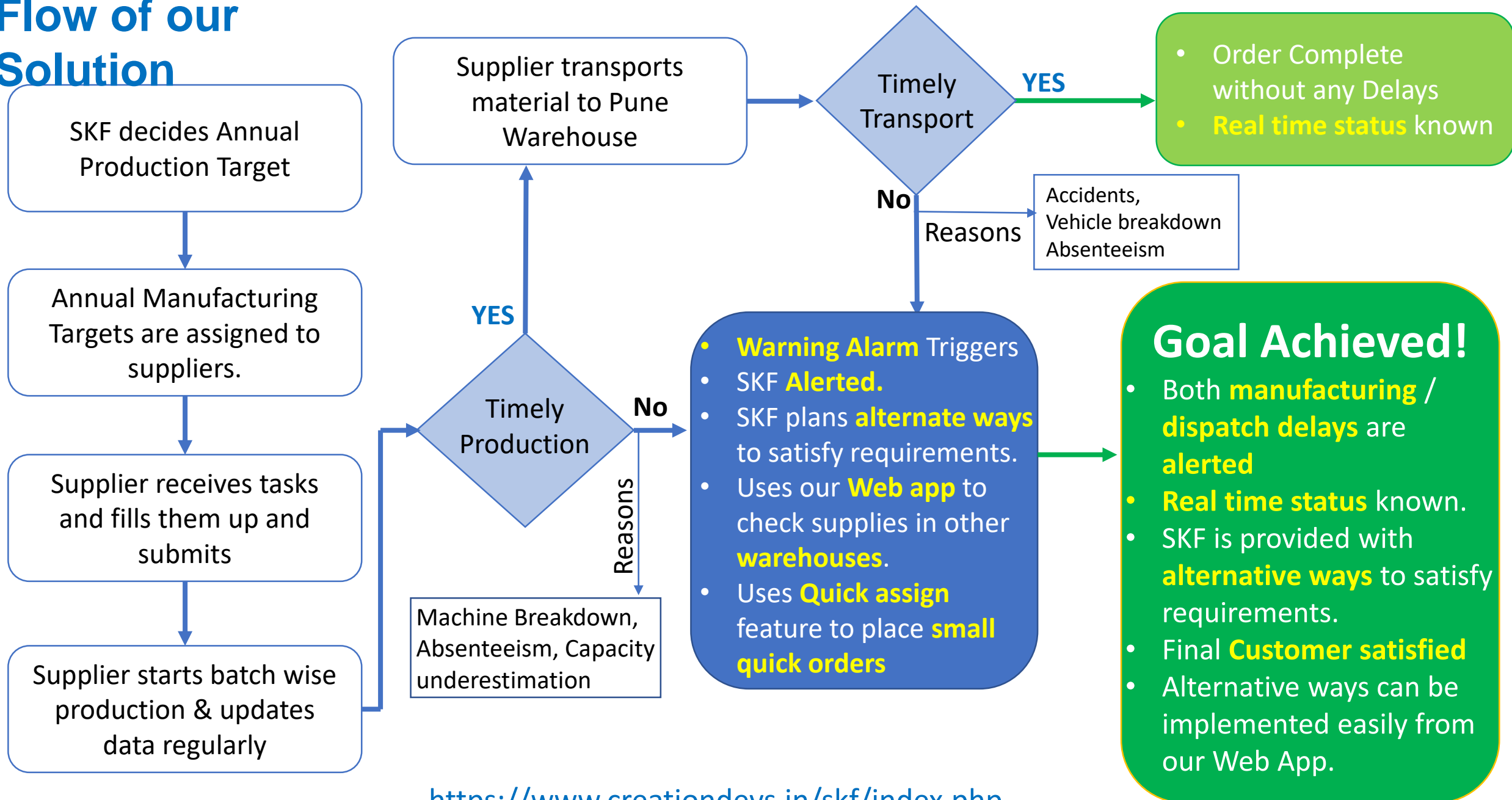
#### **SKF Web-app supply chain management system.**

(Live Website : <https://www.creationdevs.in/skf/index.php> )  
OR [creationdevs.in/skf/](https://www.creationdevs.in/skf/)



- **Communication** Channel b/w **SKF and Supplier** for functioning of Supply Chain.
- **Creates, assigns** and **manages** yearly targets and coordinates with supplier about production.
- **Alert System** tackles delays in **SCM with real time Status** of components.
- Total **SCM management system**

# Flow of our Solution



<https://www.creationdevs.in/skf/index.php>

## Technology Stack

**Mobile App:** Android (Java + XML), SQLite Database , Firebase.

**Website** : PHP , HTML , CSS ,SQL Database, JavaScript.

## Advantages & Features

- **Easy to use** with good UX design;**small scale suppliers** with no SCM knowledge **use it with ease**.
- **Swift communication** between SKF and Supplier.
- Supplier Responsiveness Check(**Real-Time**).
- SCM Terminologies with **auto calculation** of columns.
- **Frequential Target calculations** and updates are provided on **timely basis**.
- **Auto Alert** to SKF and Supplier when **targets not achieved**.
- **Real-Time Warehouse Availability Check** without any Supplier Communication .
- **QuickAssign feature** to deal with any **delays** in the **Supply Chain**.
- **Master Chart** shows to all; Data can be **analysed** for further **interpretation**.
- **The Complete Supply Chain Management Software** for SKF and similar companies.
- Working Website: <https://creationdevs.in/skf>

## Dependencies

- SKF Annual Production Plan
- SKF Bearing Profiles
- SKF Supplier Database
- Supplier Warehouse Information

Live Website : <https://www.creationdevs.in/skf/index.php>


Website Manual:

<https://drive.google.com/drive/folders/1HRXX5hix1wITcJz8aWmzLq8wgo0ci6n8?usp=sharing>

Website essentials like **username**, **password** and **website flow** explained in **Manual Link**.

# SKF Login

## 1. LOGIN



UserId:

Enter your UserID.

Password:

Enter your account password.

Login

SKF Login  
User : skf  
Password: password

## 2. ASSIGN NEW ORDERS AND VIEW ORDERS

Supplier	Bearing Type	Bearing Part	Date of Order	
pune_supplier	Deep Groove	Seal	18-01-2019	<div>View</div>
belgaum_supplier	Cylindrical Roller	Outer Ring	18-01-2019	<div>View</div>
belgaum_supplier	6207	Ball	18-01-2019	<div>View</div>

Bearing details

Bearing Profiles

Order details unfilled by supplier

Order details filled by supplier

Supplier Responsiveness Check

## 3. ORDER DETAILS

Project-Pune3

Bearing Type	Deep Groove
Bearing Part	Seal
Yearly Volume	150000
Frequency	10
Date of Order	18-01-2019
Supply Mode	B
Service Factor	1
Flexibility Factor	4
Service Stock Level	18000
Replenishment Lead Time	10
Call of LDT	5

### Assigned Order Specifications

- Real Time assigned order details can be checked.
- SCM Terminology → Familiarity
- Automatic Calculation of quantities based on factors provided

<http://www.creationdevs.in/skf/index.php>

# SUPPLIER LOGIN

Username : rajkot\_supplier Password: password  
(other users mentioned in manual)

## 1. Supplier Order View

Orders:

### Project-Pune1

Bearing Type:	Cylindrical Roller
Bearing Part:	Seal
Yearly Volume:	134000
Frequency:	12

Fill order

### Project-Pune2

Bearing Type:	Roller
Bearing Part:	Cage
Yearly Volume:	120000
Frequency:	14

View/Update

- Shows all orders which are currently in production or **transit**.
- Orders are sorted based on **Date of Order**
- Filled data updated in **Real Time**.
- SKF can **access all data** i.e. SKF Order details + Supplier filled data on a single webpage **in real time**
- SKF can keep a tab on the **last date of modification** by the supplier.
- Warehouse stock** of any particular part can be checked directly.

Fills order details for newly arrived orders

SKF can check when supplier has filled the data

Updates order details for previously filled orders

## 2. Supplier Filled Data Form

Forged Ring Stock	22
In Transit Forging	123
Turning vendor WIP	111
Finishing Ring Vendor	1455
In Transit Finishing Ring	1345
Finishing Ring Warehouse	11
Total Stock	12345
Last Receipt Date	2019-01-24
Rlt Given	

Update

Update data regularly to keep SKF notified

## LIVE WEBSITE MANUAL :

<https://drive.google.com/drive/folders/1HRXX5hJx1wITcJz8aVwmzLq8wgo0ci6n8?usp=sharing>