### **Voucher Scheme Management - Admin Panel Documentation**

#### ***Objective:***

The goal is to build a **dynamic admin panel** that allows administrators to manage and configure a flexible voucher scheme for various products. This panel should support the creation, modification, and deletion of voucher schemes while allowing dynamic adjustments to the eligibility criteria, voucher details, and order group settings.

The system should allow for the easy management of vouchers, where the admin can define product types, eligibility conditions, and order-specific rules. Additionally, the ability to pair vouchers and control how vouchers are applied together will be a crucial feature.

### **Features & Functionalities:**

#### ***1. Voucher Scheme Management***

The admin panel should allow the creation and management of different voucher schemes for both **TMT products** and **Other Products**.

##### **Fields and Configuration:**

* **Scheme Name**:
  + The admin can either select a pre-defined voucher name (e.g., "Monsoon Dhamaka Offer", "Winter Bonanza") or enter a new custom name for the scheme from the add button beside.
* **Scheme Banner**
  + The admin will upload scheme banner from this field
* **Offer Running For Selection**:
  + The admin will select from a list of products that the voucher will apply to:
    - **TMT**
    - **Other Products**
* **Scheme Start Date**:
  + Admin can set the **start date** for the voucher’s validity (when the voucher becomes active).
* **Scheme Close Date**:
  + Admin can set the **end date** for the voucher’s validity (when the voucher expires).
* **Group Fields (Checkboxes)**:
  + The admin can select various fields to define the voucher details. These fields can be customized dynamically based on the product type (e.g., TMT or Other Products).
  + Available fields may include:
    - **Site Image**
    - **Registration**
    - **Valid Site**
    - **Geo-location**

The admin will be able to toggle these fields on or off, depending on the requirements for the voucher.

#### ***2. Order Group Settings***

The **order group settings** will allow the admin to specify conditions that define when a voucher can be used, based on user order behavior.

##### **Fields and Configuration:**

* **Min Gap Between Two Orders**:
  + Admin can define the minimum gap (in days) between two orders for the same user before they can use the voucher again.
* **Minimum Order Value**:
  + Admin can set the minimum order value for the voucher to be applied (e.g., Rs. 30k or more).
* **Maximum Voucher Value**:
  + The admin can specify the maximum discount a user can avail of from this voucher (e.g., Rs. 2000).
* **Voucher Amount**:
  + The voucher amount will be entered either as a **percentage** of the order total or as a **fixed Rs. value**. When the admin selects "percentage", a numeric input field for entering the percentage value will appear.
* **Order Group Type**:
  + The admin can select which order group this voucher applies to:
    - **1st Order**
    - **2nd Order**
    - **3rd Order**
    - **4th Order**

The admin can assign different rules for each order group (e.g., 2% for the first order, 1% for the second order).

#### ***3. Dynamic Voucher Creation & Editing***

Once a voucher scheme is created, the admin can **edit** and **modify** the details at any point. This includes:

* **Editing Voucher Name**: The admin can change the voucher name at any time.
* **Adjusting Scheme Dates**: The start and close dates can be modified if needed.
* **Adding or Removing Associated Fields**: Depending on the product type selected, the admin can dynamically add or remove associated fields such as "site image", "registration", etc.
* **Adjusting Eligibility Criteria**: The admin can update the eligibility criteria for orders, including changing minimum order value, maximum voucher value, or adjusting order gaps.
* **Voucher Amount Configuration**: The input for voucher amount will appear dynamically based on whether the admin selects a **percentage** or **fixed value**. The correct field will be displayed based on the input.

#### ***4. Voucher Pairing (Multiple Vouchers)***

The system should allow the admin to manage **voucher pairing**, where two vouchers can be used simultaneously under specific conditions.

##### **Fields and Configuration:**

* **Allow Voucher Pairing**:
  + Admin can decide whether two vouchers can be used together. If enabled, the admin can define the **conditions** under which vouchers can be paired.
* **Select Voucher 1 and Voucher 2**:
  + Admin can select two vouchers from the list of available vouchers to be used together.
* **Voucher Pairing Conditions**:
  + Admin can specify conditions for pairing, such as:
    - Minimum order value for both vouchers to apply together.
    - Specific product categories eligible for pairing.

#### ***5. Admin Panel Interface***

The admin panel needs to be intuitive and easy to navigate while ensuring that all configurable aspects of the voucher scheme are accessible.

##### **Workflow:**

1. **Voucher Creation**:
   1. The admin begins by selecting a **voucher name**, entering **start** and **end dates**, and choosing the **voucher type** (TMT or Other Products).
   2. Admin then selects the relevant fields (site image, registration, valid site, etc.) from a dynamic list based on the product selection.
   3. After that, the admin sets up the **order group criteria**, specifying the gap between orders, minimum order value, maximum discount, etc.
2. **Voucher Editing**:
   1. If the voucher details need to be changed, the admin can return to the voucher configuration screen to modify the **name**, **fields**, or **order group settings**.
3. **Voucher Pairing**:
   1. For paired vouchers, the admin selects which vouchers can be used together, and sets any additional conditions for their use.
4. **Activation**:
   1. Once the voucher is fully configured, the admin can save the changes and activate the voucher for the users.