



# DIGITAL CERTIFICATE MANAGEMENT SYSTEM

## PROTOTYPE

Name:	SITI NORHANISA BINTI NASIR
Matric No.:	A17CS0211
Session	2020/2021
Supervisor:	DR. ZALMIYAH BINTI ZAKARIA

18 AUGUST 2021

## **TABLE OF CONTENT**

<b>LANDING PAGE OF DCMS</b>	<b>3</b>
<b>AUTHENTICATION/AUTHORISATION</b>	<b>4</b>
<b>ACTOR 1: ADMINISTRATION OF DCMS</b>	<b>5</b>
USE CASE (UC06): CREATE ACCOUNT	6
<b>ACTOR 2: PA CHAIR OF SC</b>	<b>7</b>
USE CASE (UC07): MANAGE CERTIFICATE	8
USE CASE (UC08): UPDATE CHAIR DETAILS	9
<b>ACTOR 3: PERSAKA COMMITTEE</b>	<b>10</b>
USE CASE (UC02): MANAGE PARTICIPANT	11
USE CASE (UC03): UPLOAD DESIGN	12
USE CASE (UC04): DOWNLOAD CERTIFICATE IN ZIP	13
USE CASE (UC05): EMAIL CERTIFICATE	14
<b>ACTOR 4: PUBLIC</b>	<b>15</b>
USE CASE (UC09): VERIFICATION	15

## Landing Page of DCMS

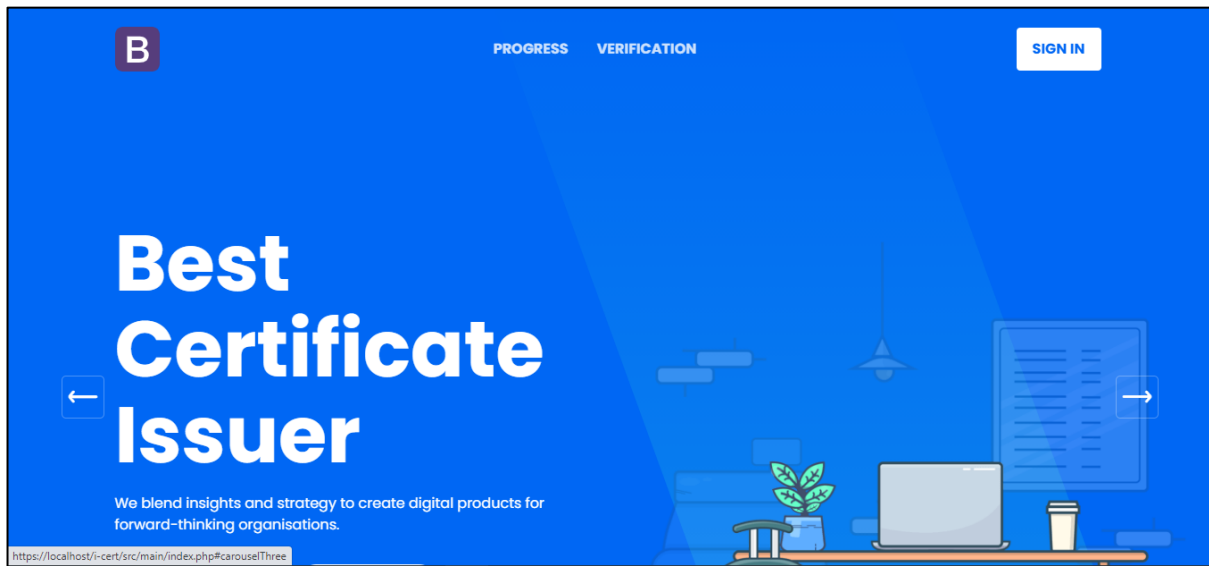


Figure 1 Main Page of DCMS

**Authentication/Authorisation**

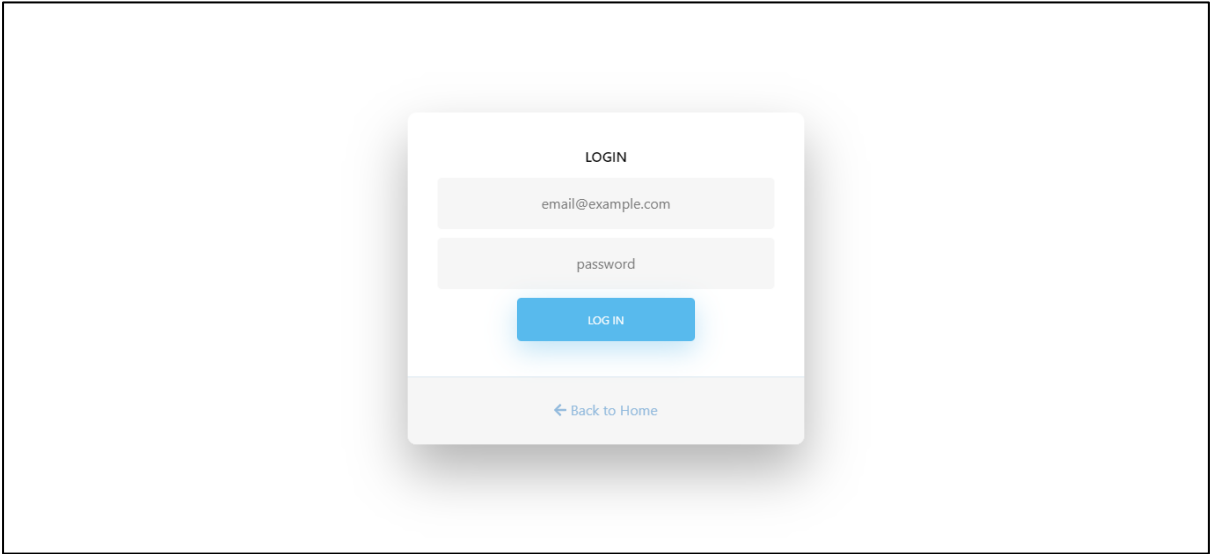


Figure 2      Login to DCMS

## Actor 1: Administration of DCMS

- Admin Dashboard
- Description: After Admin login to the DCMS, the system displays the dashboard consisting of DCSM.

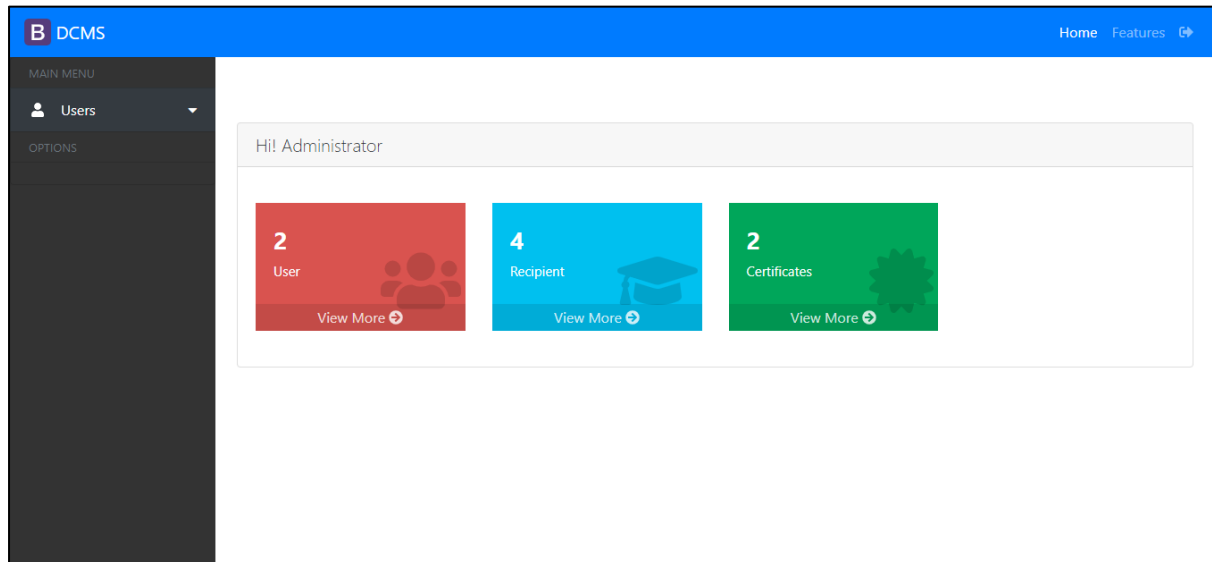
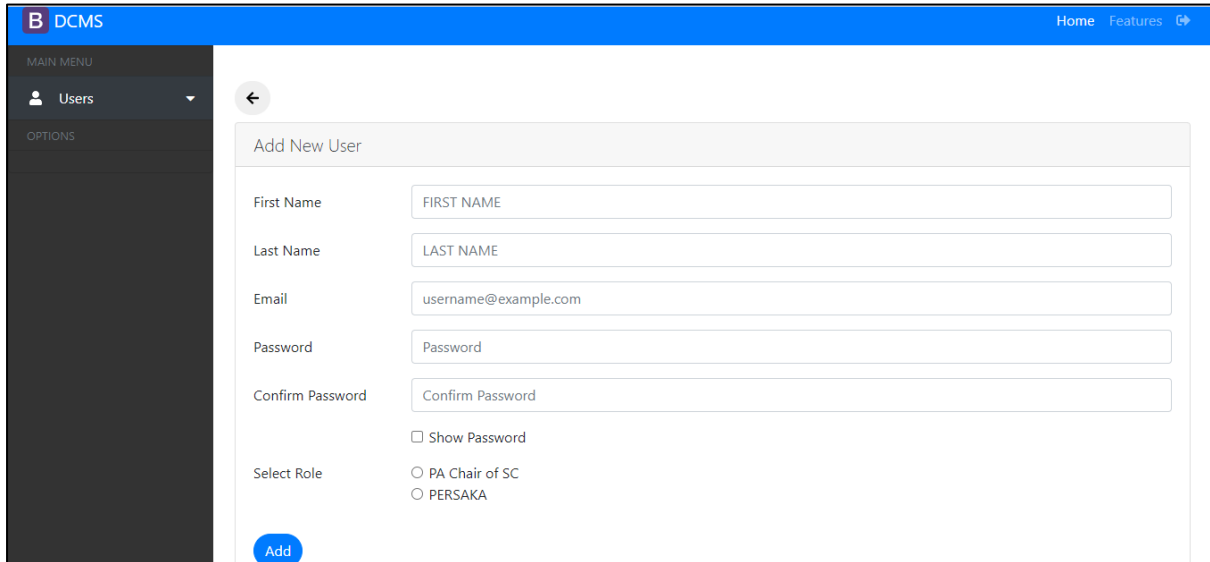


Figure 3 Admin Dashboard

## Use Case (UC06): Create Account

Description: To create an account for each user, i.e., PERSAKA committee and PA Chair of SC.



The screenshot displays the 'Add New User' form within the DCMS application. The interface features a blue header bar with the 'DCMS' logo and navigation links for 'Home' and 'Features'. A dark sidebar on the left contains a 'MAIN MENU' with 'Users' selected and an 'OPTIONS' section. The main content area is titled 'Add New User' and includes a back arrow. The form contains the following fields and controls:

- First Name:** Text input field with placeholder 'FIRST NAME'.
- Last Name:** Text input field with placeholder 'LAST NAME'.
- Email:** Text input field with placeholder 'username@example.com'.
- Password:** Text input field with placeholder 'Password'.
- Confirm Password:** Text input field with placeholder 'Confirm Password'.
- Show Password:** A checkbox control.
- Select Role:** Radio button controls for 'PA Chair of SC' and 'PERSAKA'.
- Add:** A blue circular button at the bottom left of the form.

Figure 4 Create Account Form

## Actor 2: PA Chair of SC

- PA Dashboard
- Description: After PA login to the DCMS, the system displays a dashboard consisting of statistics of requests by PERSAKA.

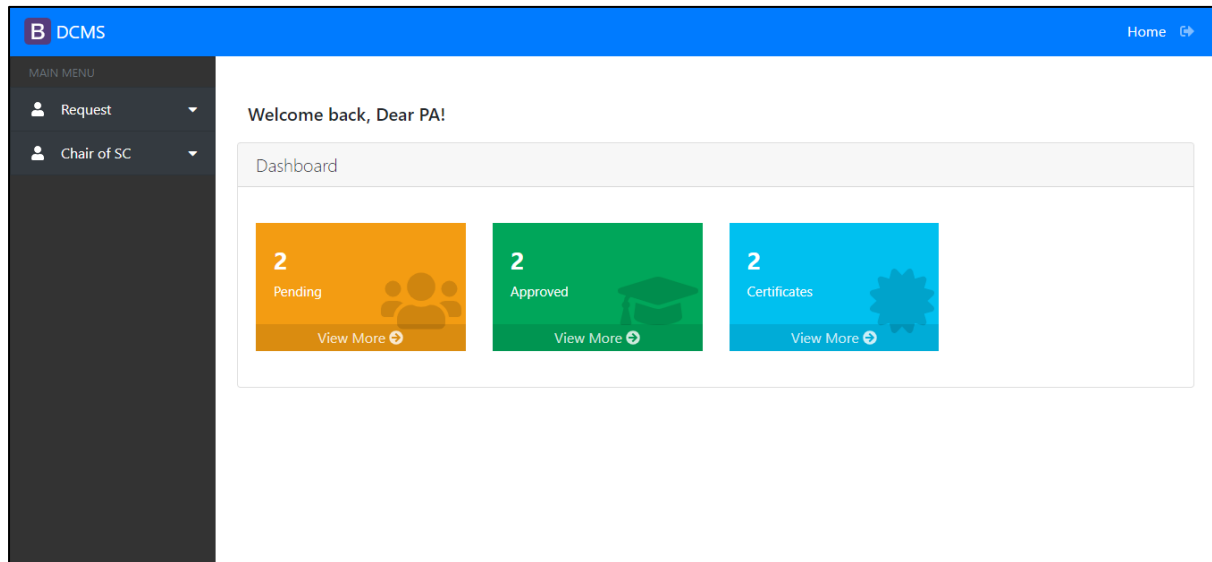


Figure 5 PA Chair of SC Dabsboard

## Use Case (UC07): Manage Certificate

Description: PA performed the approval process by approving or rejecting the certificates requests by PERSAKA.

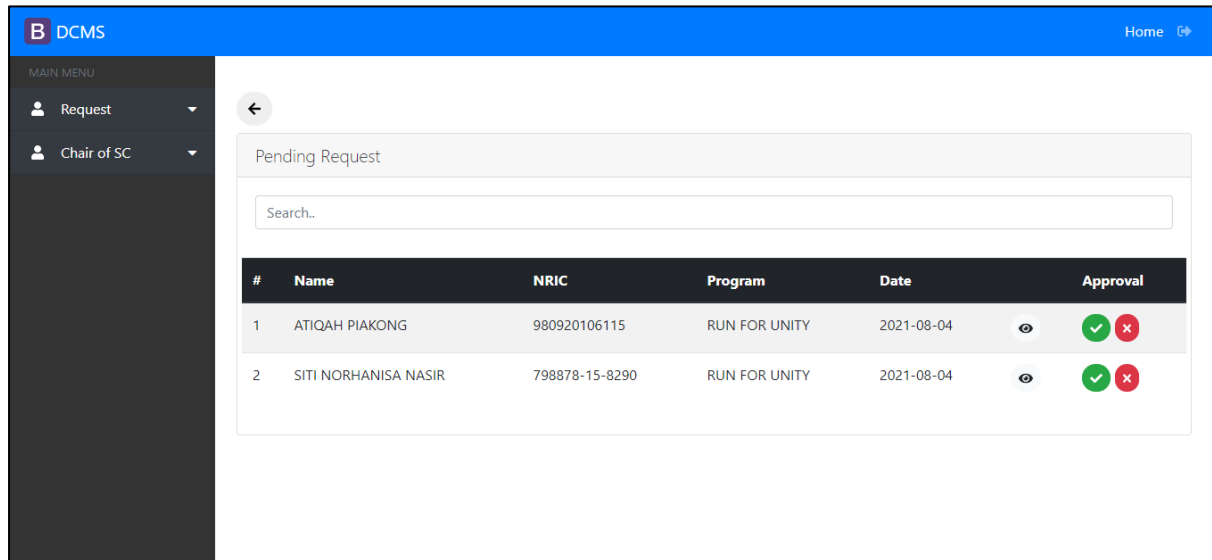


Figure 6 Approval Process



## Use Case (UC08): Update Chair Details

Description: PA will update the Chair details if necessary, i.e., change of Chair.

The screenshot displays the DCMS (Digital Case Management System) interface. On the left is a dark sidebar with a 'MAIN MENU' containing 'Request' and 'Chair of SC' options. The top header is blue with the 'DCMS' logo and a 'Home' link. The main content area shows a 'Chair Information' form with a back arrow. The form includes a 'Full Name' field with the text 'PROF. TS. DR. WAN MOHD NASIR WAN KADIR' and a 'Signature' field with a handwritten signature. An 'Edit' button is located at the bottom left of the form.

Chair Information	
Full Name	PROF. TS. DR. WAN MOHD NASIR WAN KADIR
Signature	<i>Wan Mohd Nasir</i>
<a href="#">Edit</a>	

Figure 7 Chair Information

### Actor 3: PERSAKA committee

- PERSAKA Main Page
- Description: After login into the DCSM, the system displays the program list created by PERSAKA.

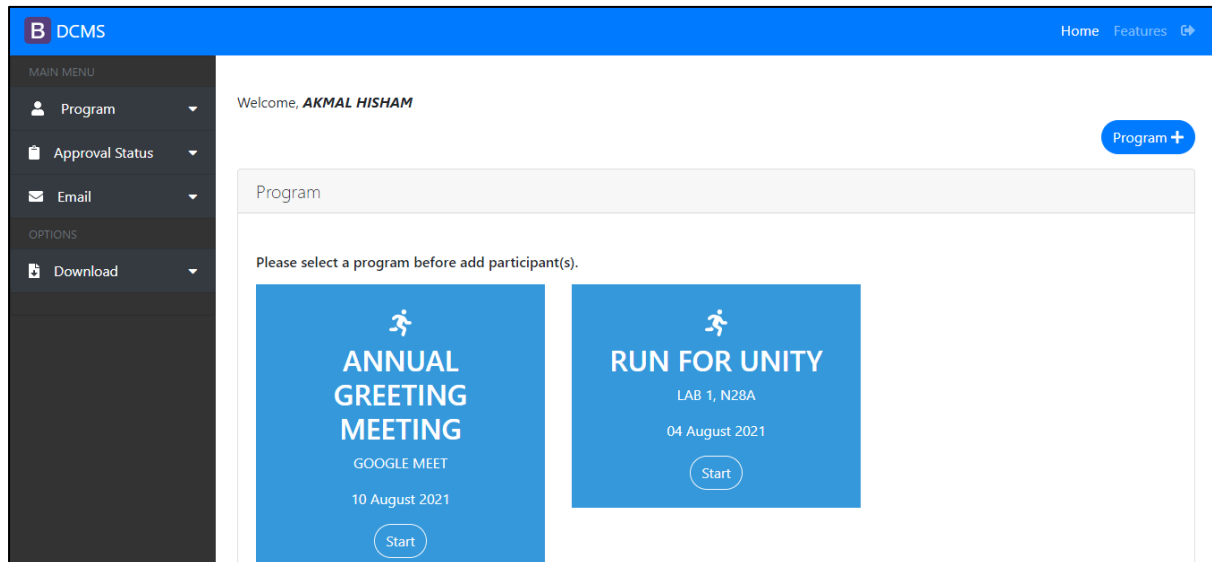


Figure 8 PERSAKA Main Page

## Use Case (UC02): Manage Participant

Description: To insert participant data, PERSAKA can uploading CSV file or inserting data one at a time.

The screenshot shows the 'Upload CSV file' section of the PERSAKA application. On the left is a dark sidebar with navigation options: 'Program', 'Approval Status', 'Email', and 'Download' (under 'OPTIONS'). The main content area has a header with a back arrow and an 'Upload Design' button. Below the header, there's a section titled 'Upload CSV file' with a message: 'Please download and follow the template given in csv format.' and a 'Download Template' button. Below this is a form for 'Event Name' with the value 'ANNUAL GREETING MEETING'. Then, there's a 'Choose File' button next to the text 'No file chosen'. Below that is an 'Upload CSV' button. At the bottom, there's a yellow banner for 'Participants' Information' followed by a table header with columns: '#', 'Name', 'NRIC/Passport', 'Matric No.', 'Email', and 'Action'.

Figure 9 PERSAKA Upload CSV

The screenshot shows the 'Add participant' section of the PERSAKA application. On the left is the same dark sidebar as in Figure 9. The main content area has a header with a back arrow and an 'Upload Design' button. Below the header, there's a section titled 'Add participant' with a 'Program Name' dropdown menu showing 'ANNUAL GREETING MEETING'. Below this are four text input fields: 'Full Name' (with placeholder 'Full name as per NRIC'), 'NRIC/Passport' (with value '123456-78-9012'), 'Matric No.' (with value 'A17CS0211'), and 'Email' (with value 'youremail@example.com'). At the bottom of the form is an 'Add' button.

Figure 10 PERSAKA Insert Single Data

## Use Case (UC03): Upload Design

Description: DCMS allows PERSAKA to upload their certificate design or choose a ready-made template provided by the system.

The screenshot shows the 'Design and Preview' section of the PERSAKA application. On the left is a dark sidebar with navigation options: 'Program', 'Approval Status', 'Email', and 'Download'. The main content area has a title bar with a back arrow and a 'Request Approval' button. Below the title bar, the text 'ANNUAL GREETING MEETING' is displayed. The 'Please choose :' section has two radio buttons: 'Upload design' (selected) and 'Ready made template'. Below this, a text prompt says 'Please upload blank certificate design (PORTRAIT).', followed by a 'Choose File' button and the text 'No file chosen'. An 'Upload' button is located to the right of the file selection area. At the bottom, a preview of a certificate design is shown, featuring a repeating pattern of 'UTM' logos and the UTM crest.

Figure 11 PERSAKA Upload Custom Design

The screenshot shows the 'Design and Preview' section of the PERSAKA application. On the left is a dark sidebar with navigation options: 'Program', 'Approval Status', 'Email', and 'Download'. The main content area has a title bar with a back arrow and a 'Request Approval' button. Below the title bar, the text 'ANNUAL GREETING MEETING' is displayed. The 'Please choose :' section has two radio buttons: 'Upload design' and 'Ready made template' (selected). Below this, the text 'Ready Made Template' is followed by a prompt: 'Please preview the template. If you agree with the design, please click "confirm" button.' A 'Confirm' button is located to the right of the preview area. At the bottom, a preview of a certificate design is shown, featuring a repeating pattern of 'UTM' logos and the UTM crest.

Figure 12 PERSAKA Choose Ready-Made Template

## Use Case (UC04): Download Certificate in ZIP

Description: PERSAKA can download certificates locally in ZIP format for their record.

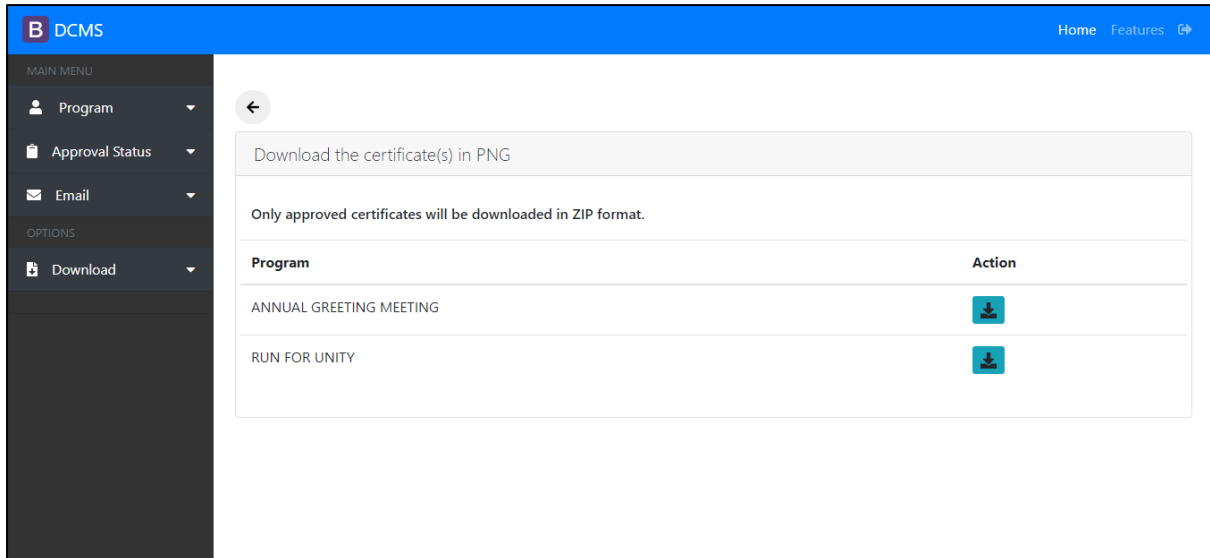


Figure 13 PERSAKA Download Certificates in ZIP

## Use Case (UC05): Email Certificate

Description: PERSAKA can email certificates in single or bulk mode.

Program(s)

ANNUAL GREETING MEETING [More >](#)

RUN FOR UNITY [More >](#)

Email Status

No.	Name	NRIC	Email	Status	Email	Bulk
1	HANISA NASIR	980920-10-3214	sitinorhanisaa@gmail.com	Approved		<input type="checkbox"/>
2	ATIQA PIKONG	980920106115	atiqahpkg@gmail.com	Pending		<input type="checkbox"/>
3	SITI NORHANISA NASIR	798878-15-8290	nishahanisa@gmail.com	Pending		<input type="checkbox"/>

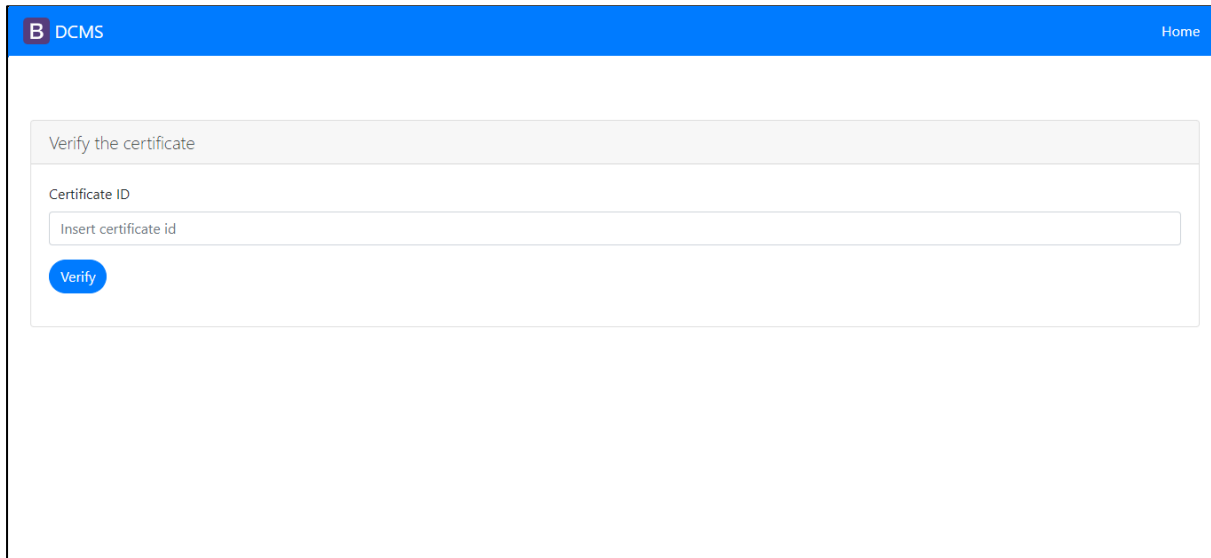
[Send bulk](#)

Figure 14 PERSAKA Email Certificates

## Actor 4: Public

### Use Case (UC09): Verification

Description: Public allow to verify the certificates.



The screenshot displays a web application interface for DCMS. At the top, there is a blue header bar with the DCMS logo on the left and a 'Home' link on the right. The main content area features a light gray box with the title 'Verify the certificate'. Inside this box, the label 'Certificate ID' is positioned above a text input field containing the placeholder text 'Insert certificate id'. Below the input field is a blue circular button with the text 'Verify'.

Figure 15      Public Verify Certificate