Bursary
Management
System

University of Jaffna

User

Documentation

Executive Summary

First, the students have to login to the system. Then they can reach the bursary application form. After submitting they can download the application filled by them as a pdf.

The administrators also have to login the system. After that they can access the students' data which is provided by the students.By those data welfare branches can select the students who will get the bursary funds and publish the name list.

Objective of the project

Bursary is a fund provided by the university for the students who are not eligible for Mahapola and other financial aids. The main aim of the "Bursary Management System" is to efficiently sort and manage the bursary applications which are submitted by university students and filter the eligible students for this scheme. This system will analyse the eligibility criteria of each applicant and publish the name list of selected students. In addition, this system will be able to provide necessary information and summaries about the bursary payments.

Customer

The end user of this system will be university bursary applicants and Welfare Branch, University of Jaffna.

Problem Statement

As we know, a huge number of students are chosen to attend University of Jaffna annually. Among them, most of the students want to apply for the bursary financial aid. Until now every student who wishes to apply for the bursary has to fill the bursary application and must handover it to the welfare branch. After that the welfare branch staff have to check all the applications for verifying that all required documents are provided and they have to filter students one by one who are selected for the bursary funds.

Since the number of applicants is high, it is hard to manage manually with accuracy and efficiency.

It was time consuming and needed more manpower. Therefore as computer science students of the University of Jaffna, for our Team Software Project our team has decided to find some solution for these issues . Finally we decided to develop a system as a solution. This system is named as "**Bursary Management System".**

Proposed Solution

Our team has developed a system to manage these issues and fulfill our client's requirements. This system can be used by students to submit the filled applications. And also the staff of the welfare branch can use this system to access the students' data and filter the eligible students. According to the details which are provided by students, the system will filter the eligible students name list as the outcome. There are so many criterias we used to filter students such as the annual salary of the parents, no of siblings who are still studying and so on. By using this system students and the welfare branch will be able to save their time and also get accurate outcomes..

Team Details

These are the team members who have developed this Bursary Management System.

- Z.M Ardil   2017/CSC/045
- Vetharsana Thangarajah   2017/CSC/034
- Divya Varatharajan   2017/CSC/006
- A.I Lakmal   2017/CSC/016
- P.A.W.G.R Perera   2017/CSC/027

Github : https://github.com/zmardil/bursary-management-system.git

Software Details

We used this softwares.

- Node.js - v12.18.4
- JavaScript (React)
- Express.js
- Mern stack
- Material-UI for UI design
- MongoDB for database

Graphical User Interfaces

This is the registration page. First user have to register for the system by entering details which is in figure below

University of Jaffna

Welfare Department

Need help?

Contact Bursary Department at **help@welfare.jfn.ac.lk**

Register

Register to access preliminary application

Registration No. *

Email *

Password *

Confirm password *

Already have an account? Sign In

Register

This is the login page. If a user already has registered for the system then the user can login to the system by giving details which is in figure below.

University of Jaffna

Welfare Department

Need help?

Contact Bursary Department at **help@welfare.jfn.ac.lk**

Login

Login to access preliminary application/extended application (honours degree) or to view your application status

Registration No. *

Email *

Password *

Don't have an account? Sign Up

Login

This is the application for students. Any student can see this application after he or she login to the system. Then the student can submit the application by filling this form and clicking the apply button.

Bursary Application

University of Jaffna

⏱ Deadline: 10/01/2020

Please read the following instructions before filling the form.

Particulars regarding sources of income of should be stated in full. Particulars of income supplied by you will be checked with relevant officers and the Department of Inland revenue.

No fields should be left blank. If you have nothing to state it should be stated N/A ,Incomplete applications or applications that do not reach this office before closing date or applications that are not channeled through Grama Sevaka and Divisional Secretary will be rejected.

This application should be duly perfected and handed over to Grama Sevaka, so as to reach this office on or before 30th of September 2020 the Grama Sevaka will forward the Application to the Division Secretary as specified in cage 11. As the application has to be returned by registered post and envelop of 9"x 4" in size with stamps to the appropriate value pasted should be handed over to the Grama Sevaka along with the application.The words "Bursary Application" should be indicated on the top left corner of the envelop. This application should not be handed over to this office personally under any circumstances.

If the Jaffna University authorities are convinced that the information supplied by you are incorrect, you should note that you could either be punished or your internal studentship will be cancelled.

If you are a clergy you should indicate the particulars of the guardian (chief priest of the temple)

If you are under the custody of a legal Guardian you should furnish copies of documents issued by a court of law to that effect.

Identification

If Index No. is not provided, please contact relevant department before filling the application

Registration No.	Index No.	NIC
Eg. 20XX/XXX/XXX	Eg. S 10119	Eg. XXXXXXXXXV
If not provided, contact Welfare Dept.	If not provided, contact relevant Dept.	

Academic Details

No Fields should be left blank.

Course of Study: N/A

Z score

Personal Details

No Fields should be left blank.

Title: Mr

Name with Initials

Full Name

Address

No Fields should be left blank. State your permanent Address here.

Street

City

District: N/A

G. S. Division: N/A

Contact

No Fields should be left blank.

Email

Phone

Employment Details

Provide your Employment details, If you are employed by selecting the checkbox

☐ Employed

Name of Establishment or Department

Designation

Salary: Rs.

Street

In the Academic details field we added the drop down arrow for selecting subject specification

Academic Details

No Fields should be left blank.

| N/A |
| Computer Science |
| Biological Science |
| Physical Science |

Z score

Personal Details

Full Name

In the field personal details we added a drop down arrow for selecting the title of each student.

Personal Details

No Fields should be left blank.

| Mr |
| Mrs |
| Miss |
| Rev |

Name with Initials

In the address section added a drop down arrow for selecting the district

Address

No Fields should be left blank. State your permanent Address here.

Street

City

| N/A |
| Jaffna |
| Kilinochchi |
| Mannar |
| Mullaitivu |
| Vavuniya |
| Puttalam |
| Kurunegala |
| Gampaha |
| Colombo |
| Kalutara |
| Anuradhapura |
| Polonnaruwa |
| Matale |
| Kandy |
| Nuwara Eliya |
| Kegalle |
| Ratnapura |

G. S. Division
N/A

Contact

No Fields should be left blank.

Email

Phone

Employment Details

Provide your Employment details, If you are employed by selecting the checkbox

☐ Employed

Name of Establishment or Department

...tion

Salary
Rs.

City

Date of Employment
30/05/2021

Marriage Details

Provide your Marriage details, If you are married by selecting the checkbox

☐ Married

Name of Spouse

Under the Employment section in the field date of employment we added the calendar. Students can fill the date of employment filed by selecting the particular date by using this calendar.

In that section for the field of the district we added a drop down arrow for selecting the district.

Employment Details

Provide your Employment details, If you are employed by selecting the checkbox

☐ Employed

Name of Establishment or Department

| N/A |
| Jaffna |
| Kilinochchi |
| Mannar |
| Mullaitivu |
| Vavuniya |
| Puttalam |
| Kurunegala |
| Gampaha |
| Colombo |
| Kalutara |
| Anuradhapura |
| Polonnaruwa |
| Matale |
| Kandy |
| Nuwara Eliya |
| Kegalle |
| Ratnapura |
| Trincomalee |

Salary
Rs. 2

City

Date of Employment
30/05/2021

Marriage Details

Provide your Marriage details, If you are married by selecting the checkbox

☐ Married

Name of Spouse

Spouse Employment Details

Name of Establishment or Department

Salary
Rs.

Parent/Guardian Details

No Fields should be left blank. State whether particular individual is living or not using the checkbox.

Father's Details

Full name

☑ Living

⚠ If the particular individual is not

Parent/Guardian Details

No Fields should be left blank. State whether particular individual is living or not using the checkbox.

⚠ If the particular individual is not living original death certificate should be attached

Father's Details

Full name

☑ Living

Age

State the age, if living

Occupation

If not living or retired, employment prior to death or retirement

Salary
Rs.

Date of Employment
30/05/2021

Address of workplace

State the place worked/working

Father's Annual Income

State annual income of particulars from 01st of January to 31st December 2021

Income from occupation or pension
Rs.

Income from house and property
Rs.

Income from all other sources
Rs.

Mother's Details

Full name

☑ Living

Age

Occupation

☑ Living

Age | Occupation
State the age, if living | If not living or retired, employment prior to death or retirement

Salary | Date of Employment
Rs. | 30/05/2021

Address of workplace

State the place worked/working

Mother's Annual Income
State annual income of particulars from 01st of January to 31st December 2021

Income from occupation or pension | Income from house and property | Income from all other sources
Rs. | Rs. | Rs.

Guardian's Details
This section should be filled by orphans or clergy or any other applicant who under the custody of a legal guardian

Full name | Age

Address | Post
State the permanent address here | State the post, if employed
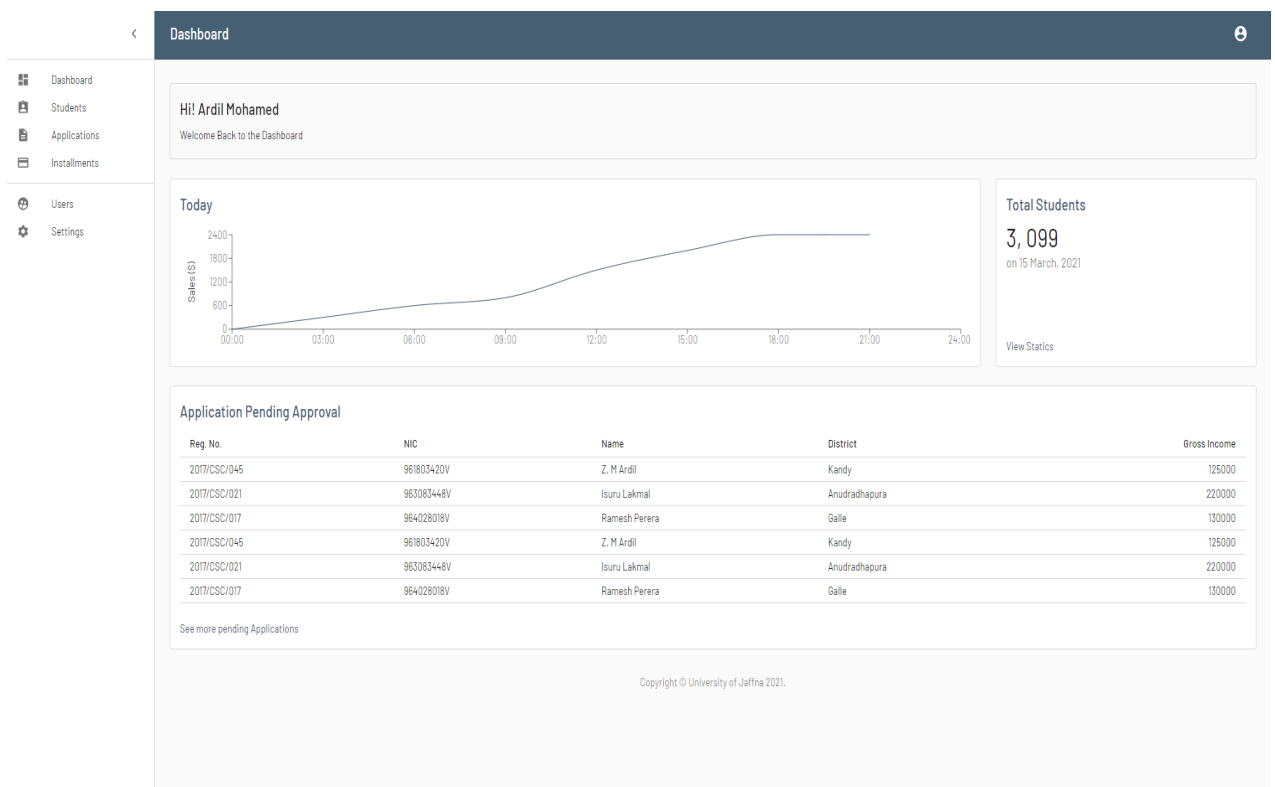
Guardian's Annual Income
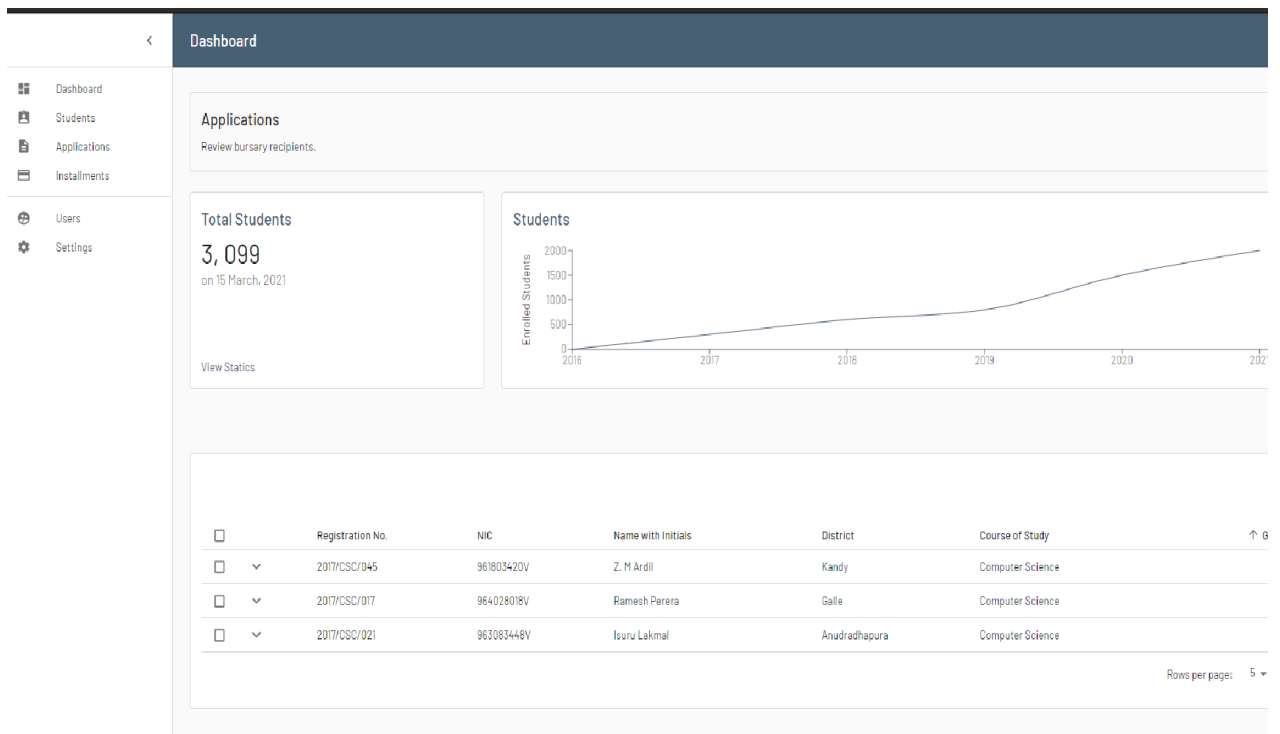State annual income of particulars from 01st of January to 31st December 2021

Salary | Income from house & property/temple
Rs. | Rs.

In the marriage details section for the field of date of employment, in the father's details section for the field of date of employment, in the mother's detail for the field of date of employment we use the calendar tool to select the student.

Salary | Date of Employment
Rs. | 30/05/2021

Parent/Guardian Details
No Fields should be left blank. State whether particular individual is living or not using the checkbox.

⚠ If the particular individual is not living original death certificate should be attached

Father's Details
Full name

☑ Living

Age

State the age, if living

Salary
Rs.

Address of workplace

State the place worked/w

Father's Annual Income
State annual income of part

Income from occupation
Rs.

Mother's Details
Full name

2021
Sun, May 30

‹   May 2021   ›

Su Mo Tu We Th Fr Sa
                        1
2   3   4   5   6   7   8
9   10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31

Cancel   OK

Date of Employment
30/05/2021

Mother's Annual Income

State annual income of particulars from 01ˢᵗ of January to 31ˢᵗ December 2021

Income from occupation or pension	Income from house and property	Income from all other sources
Rs.	Rs.	Rs.

Guardian's Details

This section should be filled by orphans or clergy or any other applicant who under the custody of a legal guardian

Full name	Age

Address	Post
State the permanent address here	State the post, if employed

Guardian's Annual Income

State annual income of particulars from 01ˢᵗ of January to 31ˢᵗ December 2021

Salary	Income from house & property/temple
Rs.	Rs.

Apply

This is the dashboard page. It will display all details of enrolled details, installment, applications to be filtered and so on.

This page is about details of enrolled students.

This page is about details of pending applications.

This is about the installments. The administrators of the welfare branch can visualize the installment details.

By clicking Add Installment, the administrator can add more installment.

By clicking button Summary the administrators can generate the summary of the installments. In there we added the calendar tool for selecting the dates.