

PROFESSIONAL TRAINING REPORT

at

Sathyabama Institute of Science and Technology

(Deemed to be University)

Submitted in partial fulfillment of the requirements for the award

of Bachelor of Technology Degree in

Information Technology

By

KAMAL SHARMA. R

(Reg. No. 38120037)



**DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING**

**SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade "A" by NAAC
JEPPIAR NAGAR, RAJIV GANDHI SALAI, CHENNAI – 600 119**

JANUARY 2021



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with "A" Grade by NAAC
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.

Phone: 044 - 2450 3150 / 51 / 52 / 54 / 55 Fax: 044 - 2450 2344
www.sathyabama.ac.in



SCHOOL OF COMPUTING

BONAFIDE CERTIFICATE

This is to certify that this Professional Training Report is the bonafide work of KAMAL SHARMA. R (Reg. No. 38120037) who carried out the project entitled "DIGITAL BUSINESS CARD" under our supervision from AUGUST 2020 to JANUARY 2021.

Internal Guide

Dr. R.SUBHASHINI M.E., Ph.D.,

Head of the Department

Dr. R.SUBHASHINI M.E., Ph.D.,

Submitted for Viva voce Examination held on _____

Internal Examiner

External Examiner

DECLARATION

I, KAMAL SHARMA. R (Reg. No. 38120037) hereby declare that the Project Report entitled “**DIGITAL BUSINESS CARD**” done by me under the guidance of Dr.R.SUBHASHINI ME., Ph.D., at Sathyabama Institute of Science and Technology (Deemed to be University), Jeppiar Nagar, Rajiv Gandhi Salai, Chennai - 600119 is submitted in partial fulfilment of the requirements for the award of Bachelor of Technology degree in Information Technology.

DATE: 22/01/2021

PLACE: CHENNAI

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge our sincere thanks to Board of management of **SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey our thanks to **Dr. T. SASIKALA M.E., Ph.D., Dean, School of Computing** and **Dr. R. SUBHASHINI M.E., Ph.D., Head of the Department, Department of Information Technology** for providing us the necessary support and details at the right time during the progressive reviews.

I would like to express our sincere and deep sense of gratitude to our Project **Dr. R. SUBHASHINI M.E., Ph.D.,** for her valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work.

I wish to express our thanks to all Teaching and Non-teaching staff members of the Department of **INFORMATION TECHNOLOGY** who were helpful in many ways for the completion of the project.

TRAINING CERTIFICATE



COURSE CERTIFICATE



ABSTRACT

DIGITAL BUSINESS CARD

The Digital Business Card is a website that acts as LinkedIn profile. This card is mainly used to avoid unsecured sharable information which is very securable and encrypted. Its can handle by user easily and edit the profile when they need. This project is useful for all kind of professionals and intends to avoid the physical visiting card. There are two types of users: the business professional and the administrator. The purpose of admin is to provide assistance to the professionals when they face any technical issues. The business user provides information about the work place, achievements, testimonials, etc. One of the main feature of this project, users can connect to anyone with the card to WhatsApp, Instagram and any other social media directly.

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LIST OF ABBREVIATIONS

ABBREVIATIONS	EXPANSION
HTML	Hyper Text Markup Language
CSS	Cascading Style Sheets
PHP	Hypertext Preprocessor
GUI	Graphical User Interface
CRUD	Create Read Update Delete

CHAPTER 1

INTRODUCTION

1.1 GENERAL

The Digital Business Card is a website that acts as LinkedIn profile. This card is mainly used to avoid unsecured sharable information which is very securable and encrypted. Its can handle by user easily and edit the profile when they need. This project is useful for all kind of professionals and intends to avoid the physical visiting card.

1.2 OUTLINE OF THE PROJECT

We have developed the system in such a way that it can be used efficiently by all the users. Let's assume all the webpages and logics related to admin and users as separate modules. We have two modules and each of these modules have their own unique functions. Important thing is that it is not designed for particular type peoples. This card can help all the users to access their own personal details through internet or intranet that means anytime and anywhere. We wanted to create a tool that fits into modern age, but still stays true to the "concepts of studying". So, this process also helps in maintaining consistency and integrity. The users can readily store and retrieve their data through online. This system helps the user to generate the dynamic legwork.

CHAPTER 2

AIM AND SCOPE

2.1 AIM

The main aim of this project is to achieve a customized way to manage the all information in a precise manner.

2.2 PROBLEM STATEMENT

The business professionals share their contact details through visiting cards to their clients. Since, it's a physical card, there are a lot of chances that the card may get misplaced and forgotten. So, if all the business related contacts are available in one place, it would save a lot of time to the business professionals.

A website to store and retrieve these information is in need.

2.3 SCOPE

2.3.1 DISADVANTAGES OF CURRENT SYSTEM

- Takes a lot of time.
- Resembles like a complex problem while keep information securely.
- Less Accurate.
- Not capable to contain all the information.
- Separate social media required.
- High complexity and additional setting efforts.
- Not Secure

2.3.2 ADVANTAGES OVER CURRENT SYSTEM

- Easy to handle and operate.
- Friendly interface.
- Fast and convenient.
- Easy to update.
- Easy message passing.
- Smart way of communication
- No paper work required.
- Secure

CHAPTER 3

SYSTEM ANALYSIS AND DESIGN

3.1 GENERAL

The fundamental idea behind my project is to create a website that would make greater this easier. I wanted to create a tool that fits into modern age, but still stays true to the concepts of studying.

3.2 USER INTERFACE (UI)

The user interface (UI) is the point of human-computer interaction and communication in a device. This can include display screens, keyboards, a mouse and the appearance of a desktop. It is also the way through which a user interacts with an application or a website

3.3 SOFTWARES USED

3.3.1 CODE EDITORS USED

VISUAL STUDIO CODE

Visual Studio Code is a source-code editor developed by Microsoft for Windows, Linux and MacOS. It includes support for debugging, embedded Git control and GitHub, syntax highlighting, intelligent code completion, snippets, and code refactoring.

3.3.2 PROGRAMMING LANGUAGES USED

HTML5

Hypertext Markup Language is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript.

CSS3

Cascading Style Sheets (CSS) is a stylesheet language used to describe the presentation of a document written in HTML or XML (including XML dialects such as SVG, MathML or XHTML). CSS describes how elements should be rendered on screen, on paper, in speech, or on other media.

PHP

PHP is a widely used open-source general-purpose scripting language that is especially suited for web development and can be embedded in HTML. PHP scripts are executed on the server.

3.3.3 LIBRARIES AND FRAMEWORKS USED

BOOTSTRAP

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

YII2

The Yii2 framework is an open-source PHP framework for rapidly-developing, modern Web applications. It is built around the Model-View-Controller composite pattern. Yii2 provides secure and professional features to create robust projects rapidly.

3.4 SYSTEM REQUIREMENTS

Operating System: Windows / MacOS / Linux

RAM: 1GB (minimum)

Processor: 1GHz processor (minimum)

ROM: 20GB (minimum)

CHAPTER 4

PROJECT DESCRIPTION

4.1 GENERAL

The project aims at to save data and be useful when compared to using the physical visiting card or any insecure social media. I have created an application using PHP framework for security purpose. I have created migration for database table to store information of users. I have created default theme for user which will show what are the data have given by user. After done all the steps at last the URL will be generated for each user with respect to the username because username is unique. By send the URL to others, they can view their corresponding user digital card but the other cannot modify anything in that theme which is best usage of this project. These all done by PHP framework by create separate file. Each file has saved with extension of '<module>.php'. The user interface developed using bootstrap is then opened.

4.2 MODULES INVOLVED

There are 12 different modules in the project. But since this is a team effort, I worked on 6 of the modules. They are listed as follows:

- ***Profile Picture***

As the name suggests, this module involves the profile picture of the user. The user can upload and update the profile picture. All the uploaded photos are resized and stored in the server.

- ***Company Logo***

As the name suggests, this module involves the logo of the company the user works in. If the user is a student, the name of the college can be used. The user can upload and update the profile picture. All the uploaded photos are resized and stored in the server.

- ***Achievement***

In this module the information about the achievements accomplished by the user is stored. The user is free to add any number of achievements!

- ***Company***

In this field hold all the information about the company the user works in. If the user is a student, the details of the college can be used.

- ***Experience***

In this module the information about the various experiences the user has is stored. The user is free to add any number of experiences!

- ***Social links***

In this module, the user provides the links to various social media sites like LinkedIn, Facebook, Instagram, Blogger, etc.

- ***Integration***

This module is solely used for the Search Engine Optimization and analytics purposes. The user can add his custom code at the head and the body tag of the webpage.

CHAPTER 5

CONCLUSION

5.1 CONCLUSION

Using virtual form of business card is the best option in this growing tech industry.

The main aim of this project is to manage the user information in a precise manner.

In this project we present a digital business card that gives few but important social details that helps people connect and contact in a secured way.

REFERENCES

[1] <https://www.yiiframework.com/doc/api/2.0>

[2] <https://www.yiiframework.com/news?year=2020>

APPENDIX

A. SCREENSHOTS

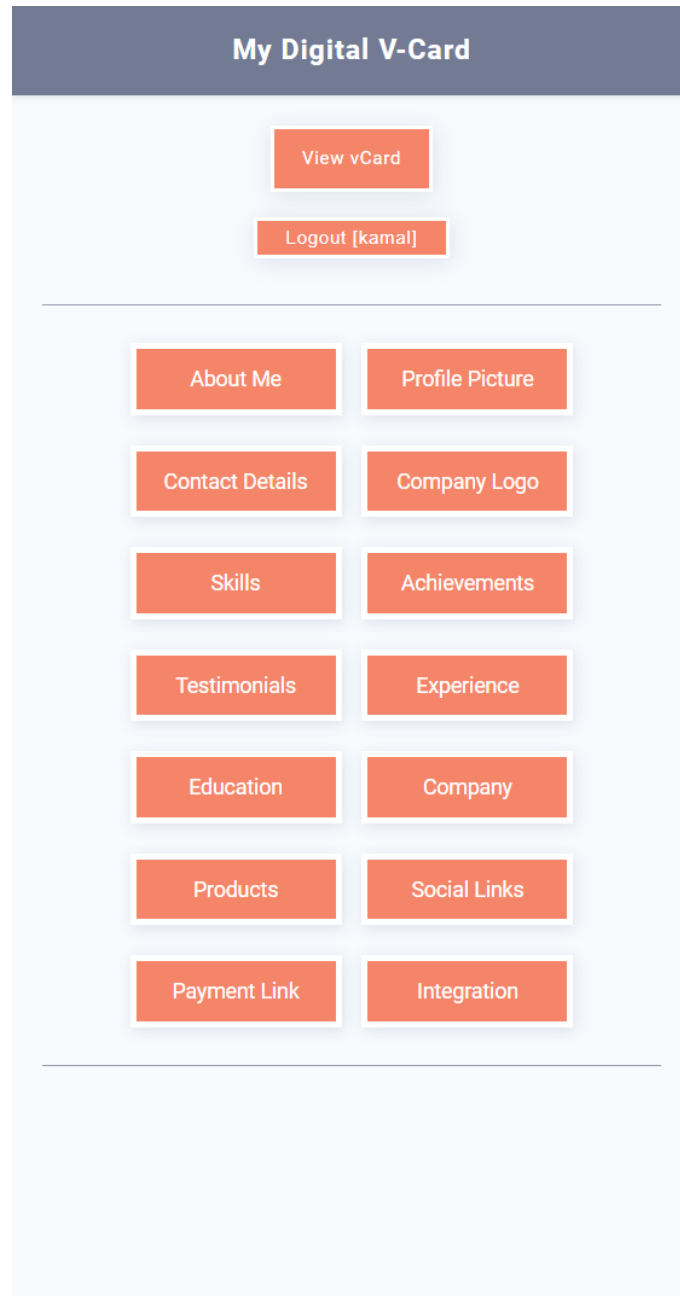


Fig. A.1. User Dashboard

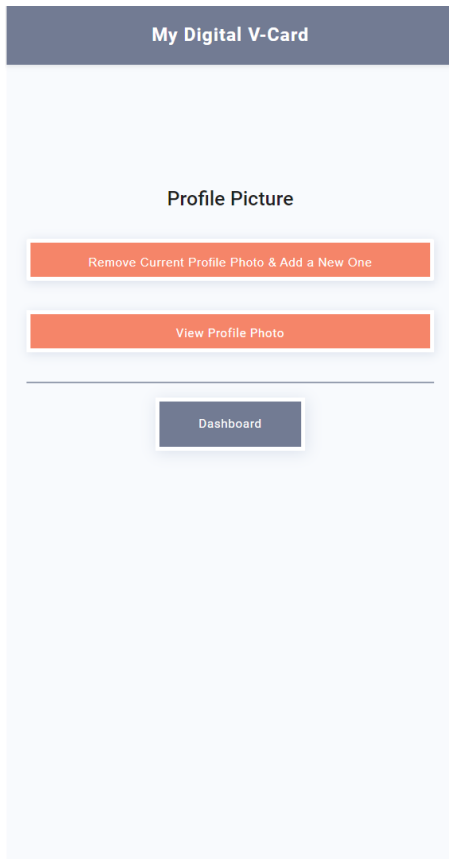


Fig. A.2. Profile Picture Menu

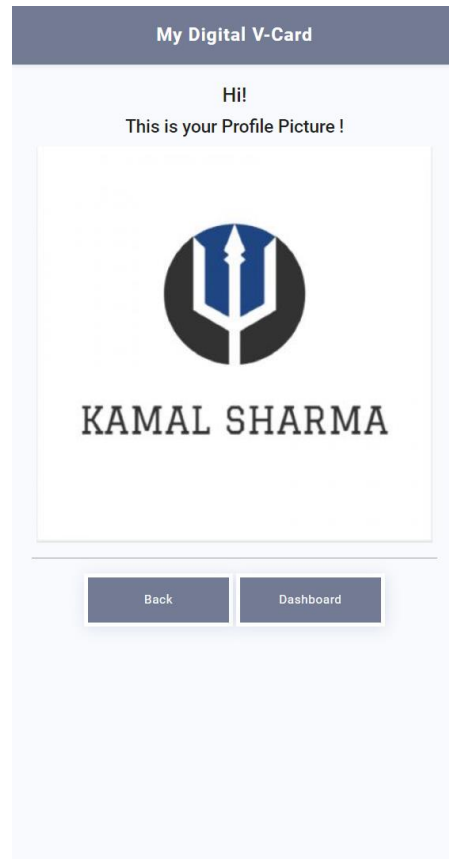


Fig. A.3. User Profile Picture

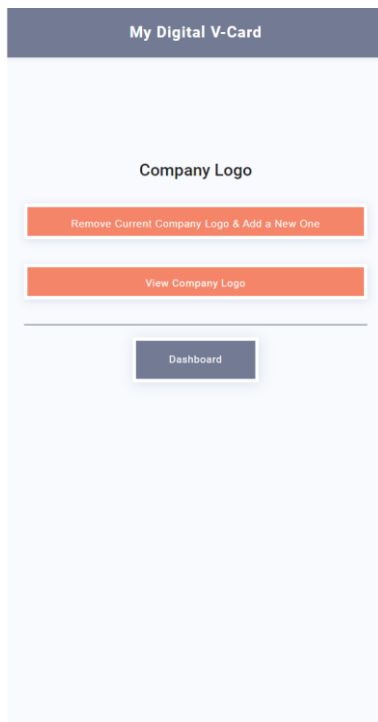


Fig A.4. Company Logo Menu

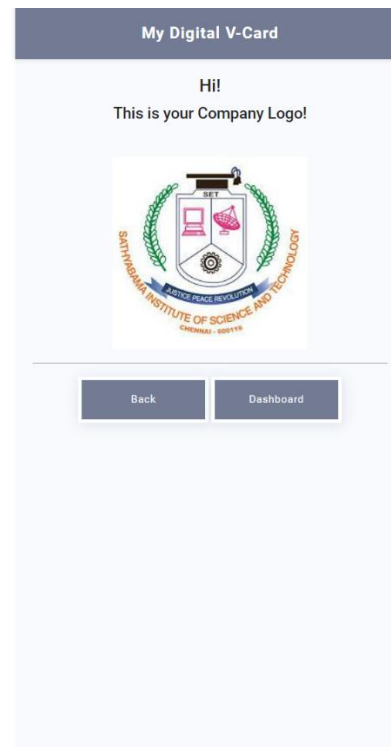


Fig. A.5. Company Logo Page

My Digital V-Card

Add Achievement

Achievement Name

Achievement Description

Submit

Dashboard

Fig A.6. Adding a new Achievement

My Digital V-Card

Achievement

Add Achievement

Showing 1-2 of 2 items.

#	Name	Description	Edit
1	Red Hat Certified Administrator	Received the certificate on 22nd October 2020.	Edit
2	1st prize MHRD Coding Competition		Edit

Dashboard

Fig A.7. Achievements Page

My Digital V-Card

Add Experience

Experience Name

Experience Duration Line

Experience Description

Submit

Dashboard

Fig A.8. Adding a new Eperience

My Digital V-Card

Experience

Add Experience

Showing 1-2 of 2 items.

#	Name	Duration	Description	Edit
1	Participant	3 Months	Participated in an Open Source Event by GirlScript Summer of Code in May 2020.	Edit
2	Mentoring	3 Months	Mentored an Open Source Initiative by Let's Upgrade : Build With Let's Upgrade!	Edit

Dashboard

Fig A.9. Eperience Page

My Digital V-Card

Business Details Update

Company Name:

Sathyabama Institute of Science and Technology

Company Tag Line:

Entry is not important, Exit is!

About Company:

In 1987, Dr. Jeppiar established Sathyabama Institute of Science and Technology. Earlier it was known as Sathyabama Engineering College. It is a Christian Minority Educational Institution and was given the status of deemed university in 2001. It offers many courses like Mechanical Engineering, Electronics, and Communication Engineering, Chemical Engineering, Aeronautics Engineering, Automobile Engineering, Electronics and Instrumentation Engineering. Along with engineering courses, it offers undergraduate courses in architecture, design, psychology, English, Physics, Commerce, Financial Accounting, and dental surgery.

About Company YouTube Link:

https://www.youtube.com/channel/UCkBMqT83pxjwPhh8mUp;

Map Link:

Enter Google Map Link

Submit

Fig A.10. Company Details Page

My Digital V-Card

Add Social Link

Choose Social Link

URL with http://

Submit

Dashboard

Fig A.11. Adding a new social link

My Digital V-Card

Add Social Link

Choose Social Link

Choose Social Link

Facebook

Twitter

Google

LinkedIn

YouTube

Instagram

Quora

Google Play Store

Apple Store iOS

Podcast

Blogger

Dashboard

Fig. A.12. Selecting Social Link

My Digital V-Card

Integration

Header :

```
<meta charset="UTF-8">
<meta name="keywords" content="RHCSA,DSC">
<meta name="author" content="Kamal">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

Body :

Code will be placed in Enquiry Form

Footer :

Code will be placed before </body>

Submit

Fig A.13. Integration Page

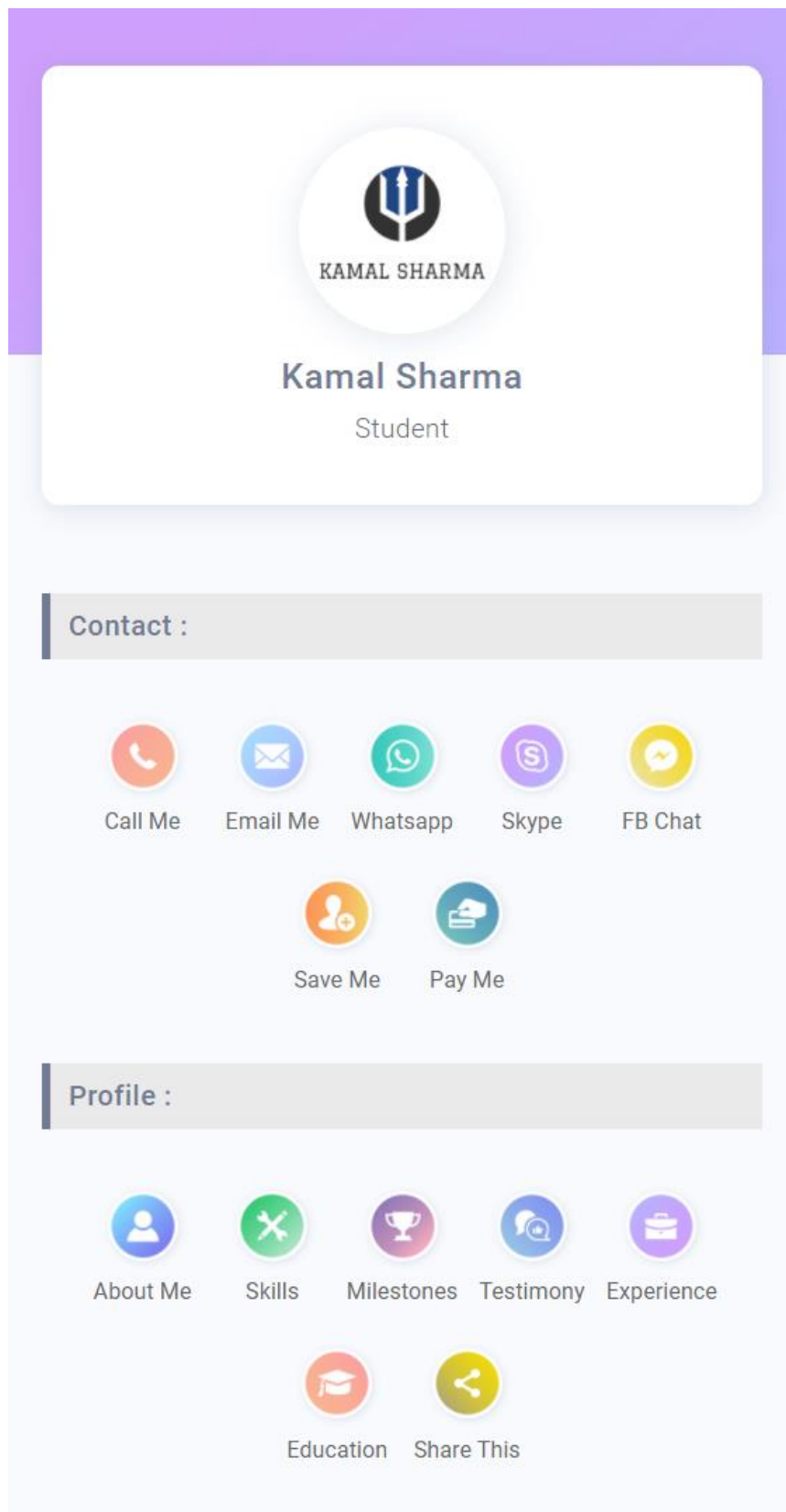


Fig. A.14 Digital Business Card

B. SAMPLE CODE

Achievement.php

```
<?php

namespace common\models;

use Yii;

/**
 * This is the model class for table "{{%achievement}}".
 *
 * @property int $id
 * @property string|null $ach_name
 * @property string|null $description
 * @property int|null $created_at
 * @property int|null $created_by
 * @property int|null $updated_at
 *
 * @property User $createdBy
 */
class Achievement extends \yii\db\ActiveRecord
{
    /**
     * {@inheritdoc}
     */
    public static function tableName()
    {
        return '{{%achievement}}';
    }

    /**
     * {@inheritdoc}
     */
    public function rules()
    {
        return [
            [['description'], 'string'],
            [['created_at', 'created_by', 'updated_at'],
            'integer'],
            [['ach_name'], 'string', 'max' => 100],
            [['created_by'], 'exist', 'skipOnError' => true,
            'targetClass' => User::className(), 'targetAttribute' =>
            ['created_by' => 'id']],
        ];
    }
}
```

```

    public function behaviors() {
        return [
            \yii\behaviors\TimestampBehavior::class,
            [
                'class' =>
\yii\behaviors\BlameableBehavior::class,
                'updatedByAttribute' => false,
            ]
        ];
    }

    /**
     * {@inheritdoc}
     */
    public function attributeLabels()
    {
        return [
            'id' => 'ID',
            'ach_name' => 'Ach Name',
            'description' => 'Description',
            'created_at' => 'Created At',
            'created_by' => 'Created By',
            'updated_at' => 'Updated At',
        ];
    }

    /**
     * Gets query for [[CreatedBy]].
     *
     * @return \yii\db\ActiveQuery|\common\models\query\UserQuery
     */
    public function getCreatedBy()
    {
        return $this->hasOne(User::className(), ['id' =>
'created_by']);
    }

    /**
     * {@inheritdoc}
     * @return \common\models\query\AchievementQuery the active
query used by this AR class.
     */
    public static function find()
    {
        return new
\common\models\query\AchievementQuery(get_called_class());
    }
}

```

AchievementController.php

```
<?php

namespace frontend\controllers;

use Yii;
use common\models\Achievement;
use yii\data\ActiveDataProvider;
use yii\web\Controller;
use yii\web\NotFoundHttpException;
use yii\filters\VerbFilter;
use yii\web\ForbiddenHttpException;
use yii\filters\AccessControl;

/**
 * AchievementController implements the CRUD actions for
 * Achievement model.
 */

class AchievementController extends Controller
{
    /**
     * {@inheritdoc}
     */
    public function behaviors()
    {
        return [
            [
                'class' => AccessControl::class,
                'only' => ['create', 'update', 'delete'],
                'rules' => [
                    [
                        'actions' => ['create', 'update',
'delete'],
                        'allow' => true,
                        'roles' => ['@']
                    ]
                ],
            ],
            'verbs' => [
                'class' => VerbFilter::className(),
                'actions' => [
                    'delete' => ['POST'],
                ],
            ],
        ];
    }
}
```

```

/**
 * Lists all Achievement models.
 * @return mixed
 */
public function actionIndex()
{
    $dataProvider = new ActiveDataProvider([
        'query' => Achievement::find()->where(['created_by' =>
Yii::$app->user->identity->id]),
    ]);

    return $this->render('index', [
        'dataProvider' => $dataProvider,
    ]);
}

/**
 * Displays a single Achievement model.
 * @param integer $id
 * @return mixed
 * @throws NotFoundHttpException if the model cannot be found
 */
public function actionView($id)
{
    return $this->render('view', [
        'model' => $this->findModel($id),
    ]);
}

/**
 * Creates a new Achievement model.
 * If creation is successful, the browser will be redirected
to the 'view' page.
 * @return mixed
 */
public function actionCreate()
{
    $model = new Achievement();

    if ($model->load(Yii::$app->request->post()) && $model->
save()) {
        return $this->redirect(['index']);
    }

    return $this->render('create', [
        'model' => $model,
    ]);
}

```

```

/**
 * Updates an existing Achievement model.
 * If update is successful, the browser will be redirected to
the 'view' page.
 * @param integer $id
 * @return mixed
 * @throws NotFoundHttpException if the model cannot be found
 */
public function actionUpdate($id)
{
    $model = $this->findModel($id);

    if ($model->created_by !== NULL && $model->created_by !==
Yii::$app->user->id) {
        throw new ForbiddenHttpException("You do not have
permission to edit this article");
    }

    if ($model->load(Yii::$app->request->post()) && $model->
save()) {
        return $this->redirect(['index']);
    }

    return $this->render('update', [
        'model' => $model,
    ]);
}

/**
 * Deletes an existing Achievement model.
 * If deletion is successful, the browser will be redirected
to the 'index' page.
 * @param integer $id
 * @return mixed
 * @throws NotFoundHttpException if the model cannot be found
 */
public function actionDelete($id)
{
    $this->findModel($id)->delete();

    return $this->redirect(['index']);
}

```

```

/**
 * Finds the Achievement model based on its primary key value.
 * If the model is not found, a 404 HTTP exception will be
thrown.
 * @param integer $id
 * @return Achievement the loaded model
 * @throws NotFoundHttpException if the model cannot be found
 */
protected function findModel($id)
{
    if (($model = Achievement::findOne($id)) !== null) {
        return $model;
    }
    $model = new Achievement();
    return $model;

    //throw new NotFoundHttpException('The requested page does
not exist.');
```

index.php

```

<?php

use yii\helpers\Html;
use yii\grid\GridView;

/* @var $this yii\web\View */
/* @var $dataProvider yii\data\ActiveDataProvider */

$this->title = 'Achievements';
?>
<div class="content">

    <h3 class="center-text">Achievement</h3>

    <?php $k = 0;
    if ($k) { ?>
        <div class="alert alert-green bg-green-dark center-text ">
            <i class="fa fa-check-square"></i> Achievement has
been created successfully.
        </div>

        <div class="alert alert-danger bg-red-light center-text ">
            <i class="fa fa-check-square"></i> Achievement has
been deleted successfully.
        </div>
    }
}
```

```

<?php } ?>
<p>
    <?= Html::a(
        'Add Achievement',
        ['achievement/create'],
        ['class' => 'button button-fullscreen button-center
button-green']
    ) ?>
</p>

<?= GridView::widget([
    'dataProvider' => $dataProvider,
    'tableOptions' => [
        'id' => 'example',
        'class' => 'table-responsive'
    ],
    'columns' => [
        [
            'header' => '#',
            'class' => 'yii\grid\SerialColumn'
        ],
        [
            'attribute' => 'ach_name',
            'header' => 'Name',
            // 'headerOptions' => ['width' => '80'],
        ],
        [
            'attribute' => 'description',
            'header' => 'Description',
            // 'headerOptions' => ['width' => '80'],
        ],
        [
            'header' => 'Edit',
            'content' => function ($model) {
                return $this->render('_edit', ['model' =>
$model]);
            }
        ],
    ],
]); ?>

<div class="vjlititi"></div>

<div class="center-text">
    <!-- <?= Html::a(
        'Preview Card',
        ['#'],
        [
            'class' => 'button-vjNichenuBhuru button',

```

```

        'target' => '_blank',
    ],
)
?> -->

<? = Html::a(
    'Dashboard',
    ['/site/dashboard'],
    [
        'class' => 'button-vjNichenuBhuru button',
        // 'target' => '_blank',
    ],
)
?>

</div>

</div>

_form.php

<?php

use yii\helpers\Html;
use yii\widgets\ActiveForm;

/* @var $this yii\web\View */
/* @var $model common\models\Education */
/* @var $form yii\widgets\ActiveForm */
?>

<div class="clear"></div>

<div class="row"></div>

<?php $form = ActiveForm::begin(['id' => 'achievement-form']); ?>

<div class="formFieldWrap homeinout">
    <? = $form->field($model, 'ach_name')->textInput([
        'autofocus' => true,
        'class' => 'contactField',
        'placeholder' => 'Achievement Name',
    ])->label(false) ?>
</div>

<div class="formFieldWrap homeinout">
    <? = $form->field($model, 'description')->textarea([
        'rows' => 10,

```

```

        'cols' => 50,
        'class' => 'contactField heightunset',
        'placeholder' => 'Achievement Description'
    ])->label(false) ?>
</div>

<div class="formSubmitButtonErrorsWrap contactFormButton">
    <?= Html::submitButton('Submit', [
        'class' => 'buttonWrap button button-green
contactSubmitButton',
        'name' => 'aboutme-button'
    ]) ?>
</div>

<?php ActiveForm::end(); ?>

```