

# Diabetes Management Web Application

## Introduction

- Diacare is a user-friendly tool designed
- Tracking and analyzing key health indicators, setting reminders, and generating reports
- Our application aims to improve the quality of life for those living with diabetes.

## Objective

- ✓ To investigate the limitations and challenges of diabetes management in existing diabetes management technology among the population
- ✓ To develop a comprehensive web application which provides diabetes management features that satisfy the current demands.
- ✓ To improve the current issues of diabetes management

## Literature Review

	diaCare	mySugr	diabetes:M
medication reminder	✓	✗	✗
Customize report	✓	✓	✓
Calender	✓	✗	✗

## Achievement

### HOME PAGE

- Create record
- Overview types of diabetes

### CALENDAR PAGE

- Manage event
- Drag and drop event
- Delete event
- Resize event
- Email , notification

### PROFILE PAGE

- View,edit,delete profile
- Add, delete medication
- View today's event
- Reset password
- Delete account
- Logout

### RECORD PAGE

- Record health data
- Blood sugar level
- Blood pressure
- Insulin doses
- Food intake
- Body weight
- Medication intake

### LOGIN/SIGN UP PAGE

- Register account
- Login account
- Reset password

### REPORT

- Overview blood sugar graph
- Generate pdf
- Log section

### FEEDBACK PAGE

- Contact
- Social media
- Feedback form

### ADMIN&SUPERUSER PANEL

- Edit, delete, search user
- View feedback
- Edit, delete, search admin
- Manage profile

## Methodology

Rapid Application Development

### Requirement Plannning

Google Form

### User Design

draw.io

moqups

### Contruction

Front-end

HTML5

CSS3

Back-end

PHP7

PHP

JavaScript

Visual Studio Code

mailjet

MySQL

### Cutover

Unit Testing

Functionality

Usability

Manual

System Testing

Integrity Testing

## Final Product



## Conclusion

- Successfully developed with meet all the objectives in our initial plan, key functions
- Continue to work on improving the web app
- Adding new features to improve the overall user experience in the future

### Future Works

- ✓ Implement machine learning algorithms
- ✓ Integrate wearable devices

