



Editors

Kasthuri Subaramaniam & Alan Keoy Kay Hooi

Contributing writers:

ICSDI staff and students

Graphic Designer:

Nandini Sundran & Melissa Chua Tze Een (Group Corporate Affairs, UCSI University)

Published in 2022 by UCSI Press

Contents

Foreword by Director	4
Developing a prototype UCSI Social Network System	5 - 6
Data science: Data driven model to improve retail industry	7 – 8
Driver Drowsiness Recognization System	9 - 10
Development of Web-based Attendance Management System	11 - 12
Online Hotel Reservation System	13 - 14
Android Application Development for Online Property Rental Services	15 - 16
Uniform Image Enhancement Method via Linear Transformation in HSI Color Space	17 - 19
MathCoach - Gamification of Online Quizzes	20 - 21
Mobile Application MoBiLearner for Government and Private University	22 - 23

Contactless Employee Management System with Face 24 – 25 **Mask Detection**

Developing Mobile Application for a Localized Donation 26 – 27 **System -SeekandHelp**

An Android-based Attendance System using QR Code Technology

6

Foreword by DIRECTOR

Associate Professor Dr Keoy Kay Hooi (Alan) Director Institute of Computer Science and Digital Innovation (ICSDI)

Results

Data science: Data driven model to improve retail industry

Introduction

Results

Results

Development of Web-based Attendance Management System

Introduction

Objectives

Methodology

Uniform Image Enhancement Method via Linear Transformation in HSI Color Space

Introduction

Objectives

Methods

Results

MathCoach - Gamification of Online Quizzes

Introduction

Objectives

Mobile Application MoBiLearner for Government and Private University

Introduction

Objectives

Results

-

An Android-based Attendance System using QR Code Technology

Introduction

Objectives

Impacts of parental control towards children in Malaysia

Introduction

Objectives

- 30 -