

# Real-Time Augmented Reality Based Tool for Digital Media Production – “LUMOZ”

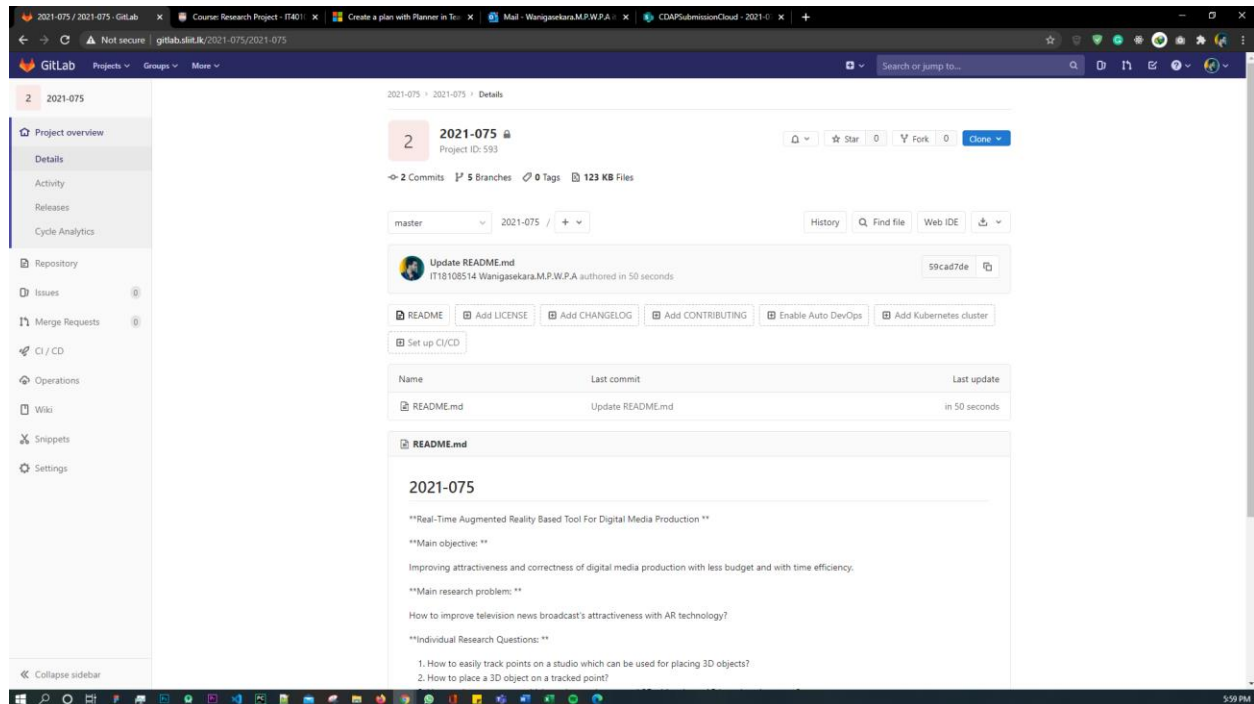
Project Id: 2021-075

## Gitlab Screenshots

### Project Group Member Details:

Number	Student Name	Student No.	Email Address
1	Wanigaasekara.M.P.W.P.A	IT18108514	<a href="mailto:it18108514@my.sliit.lk">it18108514@my.sliit.lk</a>
2	A.Vihanga Nivarthana	IT18091380	<a href="mailto:it18091380@my.sliit.lk">it18091380@my.sliit.lk</a>
3	R.M Bawantha Thilan	IT18175080	<a href="mailto:It18175080@my.sliit.lk">It18175080@my.sliit.lk</a>
4	Gankanda G.M.J.U	IT18063738	<a href="mailto:it18063738@my.sliit.lk">it18063738@my.sliit.lk</a>

### Gitlab



## Git Branches

2021-075 > 2021-075 > Details

2

**2021-075**

Project ID: 593

Star 0 Fork 0 Clone

1 Commit 5 Branches 0 Tags 113 KB Files

master

2021-075 / +

History

Find file

Web IDE

Switch branch/tag

Branches

✓ master

it18175080

it18108514

it18091380

it18063738

README.md

2021-075

## Members

2021-075

Project overview

Repository

Issues

Merge Requests

CI / CD

Operations

Wiki

Snippets

Settings

General

Members

Integrations

Repository

CI / CD

Operations

Invite member

GitLab member or Email address

Choose a role permission

Guest

Read more about role permissions

Access expiration date

Expiration date

Add to project

Import

Existing members and groups

Members of 2021-075

Find existing members by name

Sort by Name ascending

GankandaG.M.J.U. @it18063738 - 2021-075

Given access 1 day ago

Developer

IT18091380 A.Vihanga niwarthana @it18091380 - 2021-075

Given access 1 day ago

Developer

IT18108514 Waniasekara.M.P.W.P.A. @it18108514 - 2021-075

Given access 1 day ago

Owner

IT18175080 R.M.Bawantha Thilan @it18175080 - 2021-075

Given access 16 hours ago

Developer

Shyam Reyall @shyam.r - 2021-075

Given access 1 day ago

Reporter

Thustithanjana @Thilakarathna - 2021-075

Given access 6 hours ago

Reporter

# Readme

2021-075 / 2021-075 - GitLab

Course Research Project - IT401 | Create a plan with Planner in To | Mail - Wangsaekars.M.P.W.P.A | CDAPSubmissionCloud - 2021-0 | New Tab

gitlab.xlitt.it/2021-075/2021-075

GitLab Projects Groups More

Search or jump to...

2021-075

Project overview

Details

Activity

Releases

Cycle Analytics

Repository

Issues 0

Merge Requests 0

CI / CD

Operations

Wiki

Snippets

Settings

Collapse sidebar

README Add LICENSE Add CHANGELOG Add CONTRIBUTING Enable Auto DevOps Add Kubernetes cluster

Set up CI/CD

Name	Last commit	Last update
README.md	Update README.md	in 50 seconds

README.md

## 2021-075

**\*\*Real-Time Augmented Reality Based Tool For Digital Media Production\*\***

**\*\*Main objective:\*\***

Improving attractiveness and correctness of digital media production with less budget and with time efficiency.

**\*\*Main research problem:\*\***

How to improve television news broadcast's attractiveness with AR technology?

**\*\*Individual Research Questions:\*\***

1. How to easily track points on a studio which can be used for placing 3D objects?
2. How to place a 3D object on a tracked point?
3. How to detect gestures which can be used to control 3D object in an AR based environment?
4. How to improve correctness of a visual element and how to add attractiveness to a news broadcast using visual elements?

**Individual Objectives:**

- IT18063738: The main objective is to create more accurate visual elements in a daily news broadcast.
- IT18091380: The main objective is to improve the quality of live broadcasts by incorporating 3D objects.
- IT18108514: The main object is to identify the gestures of the presenter while presenting the news and accordingly the object changes.
- IT18175080: The main objective is to show a three-dimensional object or graphical 3D object representing the news item in the newscast while the news item is recorded.