**Kerala Government Polytechnic College, Kozhikode**



**DEPARTMENT OF COMPUTER ENGINEERING**

**MediaSphere: Shaping the Future of Creative Content**

**Minor Project**

**Course Code: 4006**



**INSTITUTE VISION**

To be the best technical hub in the country, creating technicians of national

Standards with excellent skills, knowledge and social commitment.

**INSTITUTE MISSION**

• To provide excellent foundation for acquiring technical knowledge by imparting quality education.

• To create congenial academic ambience that stimulate innovative Thinking.

• To equip the students with employability skills.

• To develop integrity through conduct, character, discipline and High value-system to meet the needs of the industry and the Society.

**DEPARTMENT VISION**

To get recognized as a Premier Centre of Computer Engineering, moulding Professional skilled computer technicians with social commitment.

**DEPARTMENT MISSION**

• To impart quality education and training to the students.

• To train the students professionally through industry interaction, And thereby to adapt them to face the challenges in the present Day dynamic technical arena.

• To foster the students into socially committed technical Professionals for the betterment of the society.

**Kerala Government Polytechnic College, Kozhikode**



**DEPARTMENT OF COMPUTER ENGINEERING**

**MediaSphere: Shaping the Future of Creative Content**

**Minor Project**

**Course Code: 4006**

**DONE BY:**

**Abhinand A M**

**Anurag Rameshan M C**

**Archana P M**

**Arya Sajeevan**

**Aswin A**

**Fathima Insha V**

**Minor Project**

**Course code: 4006**

**COURSE OBJECTIVE**

• To encourage students to articulate technical problems which can be solved through their learning experience.

• To provide knowledge in design and development of small-scale projects based on their engineering domain.

• To impart training to prepare standardized technical documents for small-scale projects.

**COURSE OUTCOMES**

On completion of the course, the student will be able to:

• Identify a problem of social significance or a way to simplify day to day task.

• Employ the acquired skills to develop a solution to the Identified problem.

• Interpret socioeconomic aspects of the technical Solution.

• Prepare standardized document for the technical Solution.

**Kerala Government Polytechnic College, Kozhikode**



**CERTIFICATE**

Certified that this is the Authentic Report of Minor Project (Course code: 4006) done by [**Abhinand A M,Anurag Rameshan M C,Archana P M,Arya Sajeevan,Aswin A,Fathima Insha V**]in partial fulfillment of the requirement for the award of Diploma In Computer Engineering under the Directorate of Technical Education, Government of Kerala at Kerala Govt. Polytechnic College Westhill, Kozhikode during the year 2023-24.

Guided by Head of Department

Internal Examiner External Examiner

**ACKNOWLEDGMENT**

We take the opportunity to express our gratitude towards Dr.Jawharali B S (Head of Department, Computer Engineering) and guide Smt. Rojna N and Dr. Nishamol PH (Lecturers in Computer Engineering) who has helped us throughout this project named ARDUINO BASED SOLAR TRACKER They have guided and helped us clearing out all our Problems and doubts regarding this topic.

We are indebted towards our seniors and friends who have assisted us and proved a Helping hand in every aspect of this project. They have helped us in studying about this topic And hence preparing this project. We are thankful to all of them who have helped us in this Project. The success of this project is the outcome of the enormous contribution of various People involved directly or indirectly with project work. It is a pleasure to express our sincere Thanks to all.

ABSTRACT

This report explores the future of creative media production, highlighting advancements in immersive experiences, AI-powered storytelling, and audio production. It covers insights from industry leaders, interactive workshops, and hands-on sessions focusing on VR, AI applications, and sound design. The goal is to understand the evolving landscape of media technology and its impact on content creation.

CONTENTS

1. Introduction

2. Objectives

3. Tools Used

4. System Requirement

5. Coding

6. Results

7. Future Works

8. Conclusion

9. Reference

INTRODUCTION

The world of creative media is undergoing a transformative shift with the advent of advanced technologies. Virtual Reality (VR), Augmented Reality (AR), and Artificial Intelligence (AI) are reshaping how stories are told, enhancing viewer engagement and expanding creative possibilities. This report delves into these technological advancements and their practical applications through industry insights and hands-on workshops.

OBJECTIVES

1. To explore the latest trends and innovations in creative media production.

2. To understand the role of AI in enhancing storytelling and content creation.

3. To gain practical knowledge in immersive media experiences using VR and AR.

4. To evaluate the advancements in audio technology for enriched media experiences.

5. To foster collaboration and networking opportunities with industry professionals.

TOOLS USED

The project integrates several cutting-edge AI tools to enhance functionality and user experience:

**ChatGPT:** ChatGPT is an AI language model developed by OpenAI, designed to generate human-like text responses based on user input. It can assist with conversations, provide explanations, generate content, and answer questions on various topics.

**Gamma AI**: Gamma AI is a tool for creating dynamic presentations, reports, and documents using AI. It simplifies content creation by generating visually appealing slides with minimal effort, often used for professional and academic purposes.

**Supabase:** Supabase is an open-source backend-as-a-service (BaaS) that provides developers with a scalable PostgreSQL database, authentication, real-time subscriptions, and storage management. It is a popular alternative to Firebase for building web and mobile applications.

SYSTEM REQUIREMENT

**1. Hardware Requirements:**

* **Processor:** Intel Core i3 or higher (or AMD equivalent)
* **RAM:** Minimum 4 GB (8 GB recommended for smooth performance)
* **Storage:** At least 256 GB SSD or HDD
* **Graphics Card:** Integrated Graphics (Dedicated GPU optional for media rendering)
* **Display:** Minimum 720p resolution

**2. Software Requirements:**

* **Operating System:** Windows 10/11, macOS, or Linux (Ubuntu recommended)
* **Browser:** Chrome, Firefox, or Edge (Latest version)
* **Code Editor:** Visual Studio Code, Sublime Text, or Atom
* **Database:** Supabase (PostgreSQL backend)
* **Version Control:** Git and GitHub
* **Web Server:** Node.js for backend (if applicable)
* **Package Manager:** npm or yarn for dependencies

**3. Tools and Frameworks:**

* **Frontend:** HTML, CSS, JavaScript
* **Backend (if applicable):** Node.js, Express.js
* **Database:** Supabase for authentication and data storage
* **APIs:** Optional for additional services
* **Deployment:** Vercel, Netlify, or Supabase Edge Functions

CODING

<!DOCTYPE *html*>

<html *lang*="en">

<head>

    <meta *charset*="UTF-8">

    <meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

    <title>Attendee Registration</title>

    <link *rel*="stylesheet" *href*="style.css">

    <script *src*="https://cdn.jsdelivr.net/npm/@supabase/supabase-js"></script>

</head>

<body *style*="background-color: rgba(106, 133, 240, 0.8);">

    <div *class*="wrapper">

        <div *class*="container">

            <h2>Register</h2>

            <form *id*="attendeeForm">

                <label *for*="id">ID:</label>

                <input *type*="text" *id*="id" *name*="id" *readonly*>

                <label *for*="name">Name:</label>

                <input *type*="text" *id*="name" *name*="name" *required*>

                <label *for*="email">Email:</label>

                <input *type*="email" *id*="email" *name*="email" *required*>

                <button *type*="submit">Register</button>

            </form>

            <p *id*="statusMessage"></p>

        </div>

        <div *class*="video-container">

            <h3>Event Preview</h3>

            <video *controls*>

                <source *src*="wurivideo\_dnbURD4P\_1742095413396.mp4" *type*="video/mp4">

                Your browser does not support the video tag.

            </video>

        </div>

    </div>

    <script>

*// ✅ Ensure Supabase is initialized before any function uses it*

        document.addEventListener("DOMContentLoaded", function () {

            console.log("✅ DOM Loaded. Initializing Supabase...");

*// ✅ Supabase Initialization (must be inside the event listener)*

            const SUPABASE\_URL = "https://niebeazninzpysscqekm.supabase.co"; *// Replace with actual URL*

            const SUPABASE\_ANON\_KEY = "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJzdXBhYmFzZSIsInJlZiI6Im5pZWJlYXpuaW56cHlzc2NxZWttIiwicm9sZSI6ImFub24iLCJpYXQiOjE3NDIyMjA1OTgsImV4cCI6MjA1Nzc5NjU5OH0.GPrN-2X3Sa-DYG6klBoHVdSnifk1tAY9PT-fOYBdhxs"; *// Replace with actual key*

            const supabase = window.supabase.createClient(SUPABASE\_URL, SUPABASE\_ANON\_KEY);

*if* (!supabase) {

                console.error("❌ Supabase failed to initialize!");

*return*;

            }

            console.log("✅ Supabase Initialized Successfully!");

*// ✅ Generate a unique ID (UUID) when the page loads*

            document.getElementById("id").value = crypto.randomUUID();

*// ✅ Handle form submission*

            document.getElementById("attendeeForm").addEventListener("submit", async function (event) {

                event.preventDefault(); *// Prevent page reload*

                const id = document.getElementById("id").value;

                const name = document.getElementById("name").value;

                const email = document.getElementById("email").value;

*try* {

                    console.log("🚀 Sending data to Supabase...");

                    const { data, error } = *await* supabase

                        .from("Attendees") *// Ensure this table exists in Supabase*

                        .insert([{ id, name, email }]); *// Insert with id*

*if* (error) {

*throw* error;

                    }

                    document.getElementById("statusMessage").textContent = "✅ Successfully registered!";

                    document.getElementById("statusMessage").style.color = "green";

*// ✅ Generate a new UUID for the next entry*

                    document.getElementById("id").value = crypto.randomUUID();

                    document.getElementById("attendeeForm").reset();

                } *catch* (error) {

                    console.error("❌ Error inserting data:", error);

                    document.getElementById("statusMessage").textContent = "Error: " + error.message;

                    document.getElementById("statusMessage").style.color = "red";

                }

            });

        });

    </script>

</body>

</html>

RESULTS





**Website URL:** [uk66.github.io/UK-s-Project/](https://uk66.github.io/UK-s-Project/)

FUTURE WORKS

* Organizing Interactive Workshops and Sessions for the Event.
* Fostering Collaboration and Networking opportunities.

CONCLUSION

The future of creative media production is characterized by the integration of immersive technologies and AI-driven storytelling. By understanding these trends and applying the insights gained from industry experts, content creators can enhance their projects, delivering engaging and innovative media experiences. Continued collaboration and learning are key to thriving in this evolving landscape.

REFERENCE

**Website and Presentation**:

The Future of Creative Media Production - Event Presentation

**Official Project Website**:

[uk66.github.io/UK-s-Project/](https://uk66.github.io/UK-s-Project/)

**Supabase Documentation**:

https://supabase.com/

**Additional Tools and Resources**:

ChatGPT for content assistance

Gamma AI for presentations and Website