**A PROJECT REPORT**

**on**

**“CAMPUS KONNECT”**

**Submitted to**

**KIIT Deemed to be University**

**In Partial Fulfilment of the Requirement for the Award of**

**BACHELOR’S DEGREE IN**

**INFORMATION TECHNOLOGY**

**BY**

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**UNDER THE GUIDANCE OF**

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**May 2020**

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CERTIFICATE

This is certify that the project entitled

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is a record of bonafied work carried out by them, in the partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering (Computer Science & Engineering OR Information Technology) at KIIT Deemed to be university, Bhubaneswar. This work is done during year 2023-2024, under our guidance.

Date: 01/05/2023

Prof. Dr. Samaresh Mishra

Project Guide

**Acknowledgement**

We are profoundly grateful to **Prof. Dr. Samaresh Mishra** of **Affiliation** for his expert guidance and continuous encouragement throughout to see that this project rights its target since its commencement to its completion. .....................

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**ABSTRACT**

The proposed event management application for Android devices is designed to cater specifically to the needs of college campuses. It aims to provide an efficient and streamlined process for event management through a user-friendly interface. The primary target audience for the application includes students, event organizers, faculty and staff members, and college administrators. The application will facilitate event discovery, registration, and management, while also providing communication tools to ensure efficient engagement with attendees. Event organizers will have the ability to create events with ease, and college administrators can monitor event participation and engagement to ensure compliance with policies and guidelines. Overall, the event management application will offer a comprehensive platform for managing events on college campuses, enhancing the overall event experience for all stakeholders.

KEYWORDS

* Event management
* College campus
* Android application
* Student engagement
* Organizer tools

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**1. Introduction**

**1.1 *Purpose***

This document serves the purpose of outlining the detailed software requirements for an event management application that is intended for Android devices, with a specific focus on catering to the needs of college campuses. The application shall be designed to facilitate efficient and streamlined event management by providing comprehensive functionality to its users through an intuitive user interface.

***1.2 Intended Audience***

***a. Students-*** The primary target audience for the event management application shall be students, as they would utilize the application to explore and register for events occurring on their respective college campuses.

***b.Event organizers-*** Another crucial audience for the event management application shall be event organizers, who would utilize the application to create, manage, and promote events on their respective college campuses.

***c.Faculty and staff*** - Faculty and staff members shall also be considered as potential audiences for the event management application, as they may organize events on campus or desire to participate in events as attendees.

***d.College administrators*** - College administrators shall also be regarded as a potential audience for the event management application, as they may wish to monitor event participation and engagement on campus.

***1.3 Product Scope***

The application shall provide a comprehensive platform for managing events on college campuses, with a primary focus on facilitating event discovery, registration, and management for students, faculty, and staff members. The application shall enable event organizers to create events with ease, while also offering communication tools to facilitate efficient engagement with attendees. Additionally, the application shall provide administrators with the ability to monitor event participation and engagement, ensuring compliance with college policies and guidelines.

# 2. Basic Concepts/ Literature Review

# *2.1 Basic Concept:*

CampusKonnect is an Android application that allows students, teachers, staffs, and event organizers to create, manage, and attend events in their college. The application provides a user-friendly interface that simplifies the event management process and enhances the overall campus experience. CampusKonnect is developed by a team of four people.

***2.2 Literature Review:***

Event management is an essential aspect of the educational experience, particularly in colleges and universities. The traditional methods of event management can be time-consuming and require manual coordination between various departments, resulting in inefficient processes and reduced attendance. However, the development of mobile applications for event management has revolutionized the way events are managed.

There are several mobile applications for event management available in the market, each offering unique features and functionalities. These applications help in streamlining the event management process, increasing attendance, and improving the overall user experience. Many of these applications allow users to create, manage, and attend events with ease, while others offer additional features such as venue booking, ticketing, and feedback systems.

The success of mobile applications for event management is attributed to their ease of use, portability, and real-time communication capabilities. With the CampusKonnect app, students, teachers, staffs, and event organizers can create and manage events with just a few clicks. The app's user-friendly interface simplifies the process of event management and allows for real-time updates to ensure that users are informed about upcoming events.

In conclusion, the CampusKonnect app is a valuable addition to the educational experience, providing a platform for efficient event management and enhancing the overall campus experience. The app's features and functionalities align with the literature review of event management and mobile application development.

***2.3 Product Features:***

Event creation and management shall be a primary feature of the application, providing event organizers with the ability to create and manage events through the application. The application shall offer a user-friendly interface that allows organizers to provide details such as event description, time, location, and event duration. Organizers shall also be able to manage event registrations and track attendance, enabling them to make informed decisions regarding event logistics.

Event promotion shall be another key feature of the college event management application, with events being promoted through the application to make it easier for students, faculty, and staff members to discover and attend events.

Overall, the application shall offer a comprehensive platform for event creation, promotion, and communication, catering to the needs of all stakeholders involved in the event management process. The application shall promote efficient event management and encourage greater engagement with campus events, thereby contributing to the overall vibrancy and success of college communities.

***2.4 Operating Environment***

The application shall be specifically designed to run on Android devices with a minimum operating system version of Android 5.0 (Lollipop) or later. The application shall be optimized for use on a variety of Android devices, including smartphones and tablets.

To ensure seamless communication with the server-side API, the application shall require an internet connection. This will enable users to access real-time information and receive timely notifications regarding event updates and changes.

The application shall be designed to support offline use to a certain extent, allowing users to access previously viewed event information and make changes to event registrations while offline. However, full application functionality shall require an active internet connection.

1. **Problem Statement / Requirement Specifications**

***3.1 Problem Statement:***

In traditional event management in colleges, there is a significant challenge of poor participation and engagement from students due to missed events. The primary reason for this is the dependence on email communication, which many students do not check regularly. This issue leads to a lack of communication between students and faculty and creates a gap in organizing and managing events. Additionally, the process of organizing an event requires students and faculty to visit multiple offices to secure a venue and obtain relevant details. This leads to an inefficient process and consumes valuable time and resources.

***3.2 Requirement Specifications:***

To address these issues and improve the campus experience, the development of an Android application called "CampusKonnect" is necessary. This application will provide a user-friendly interface for students and faculty to create, manage, and attend events. The app will offer an easy-to-use system for scheduling events, managing RSVPs, and real-time updates to keep students informed about upcoming events. It will also provide a venue booking system to eliminate the need for students and faculty to visit multiple offices to secure a venue.

The application will offer a visually appealing interface and clear instructions to ensure that students and faculty can effectively use the application. It will also have a feedback system to improve the app's functionality and meet the user's requirements. The application will also offer an option for users to subscribe to a notification system to get alerts on upcoming events. The app's platform will allow students and faculty to quickly and easily access relevant event details such as event descriptions, dates, times, and locations.

Overall, CampusKonnect aims to streamline the event management process and enhance the campus experience by providing a platform that offers efficient communication, easy-to-use features, and streamlined event management capabilities. The app will significantly reduce the burden on students and faculty, and improve the overall campus experience by facilitating an environment of active participation and engagement.

***3.3 Project Planning***

The development of the CampusKonnect app involves several stages, from conceptualization to launch. The project is planned and executed by a team of four people who have gathered information from students and friends to ensure that the app meets the needs of its users. The following is an overview of the project planning for the CampusKonnect app:

**3.3.1 Project Initiation:**

The first stage involves defining the project objectives and determining the scope of the project. The team will conduct a feasibility study to identify the technical and financial feasibility of the project. The team will also conduct research on existing event management apps to identify their features and functionalities.

**3.3.2 Project Planning:**

In this stage, the team will develop a detailed project plan that includes the project timeline, budget, and resource allocation. The team will identify the roles and responsibilities of each member and create a communication plan to ensure effective collaboration.

**3.3.3 App Design:**

The team will design the app's user interface (UI) and user experience (UX) based on the gathered information from students and friends. The team will create wireframes and prototypes to test the app's design and functionality.

**3.3.4 App Development:**

The team will begin developing the app based on the finalized UI and UX design. The team will use agile development methodology to ensure timely delivery of the app's features and functionalities. The team will also conduct regular testing to ensure the app's stability and performance.

1. **Implementation**
   1. ***Methodology/Proposal***

The proposed event management application for Android devices shall be developed using an agile software development methodology, which involves iterative development, collaboration between cross-functional teams, and continuous delivery of working software. This methodology allows for flexibility and adaptability in response to changing requirements and user feedback.

The development team shall consist of experienced Android developers, UI/UX designers, and quality assurance engineers. The development process shall involve regular communication and collaboration between team members, with regular feedback from stakeholders, including students, event organizers, faculty, staff members, and college administrators.

The development process shall involve the following phases:

Planning: This phase shall involve identifying project requirements, defining user personas, and outlining the application's key features and functionality.

Design: In this phase, the UI/UX team shall create wireframes and prototypes for the application's user interface, while the development team shall define the application's technical architecture.

Development: The development team shall write code to implement the application's functionality, while also conducting unit testing and integration testing.

Testing: The quality assurance team shall conduct functional testing, performance testing, and user acceptance testing to ensure the application meets its requirements.

Deployment: The application shall be deployed to a staging environment for further testing and refinement before being released to production.

Maintenance: Once the application is released to production, the development team shall continue to provide maintenance and support, including bug fixes and feature enhancements.

* 1. ***Testing/Verification Plan***

The testing and verification plan for the event management application shall involve the following types of testing:

Functional testing: The quality assurance team shall conduct functional testing to ensure that the application meets its functional requirements, including event discovery, registration, and management.

Performance testing: The quality assurance team shall conduct performance testing to ensure that the application performs well under different load conditions, including high user traffic.

User acceptance testing: The development team shall conduct user acceptance testing to ensure that the application meets user requirements and expectations.

Security testing: The quality assurance team shall conduct security testing to identify potential vulnerabilities and ensure that the application is secure.

Compatibility testing: The quality assurance team shall conduct compatibility testing to ensure that the application is compatible with different Android devices and operating system versions.

Usability testing: The UI/UX team shall conduct usability testing to ensure that the application is user-friendly and intuitive to use.

***4.3 Result Analysis/Screenshots***

The result analysis and screenshots for the event management application shall be provided upon completion of the development process and testing phases.

***4.4 Quality Assurance***

The quality assurance process for the event management application shall involve continuous monitoring and testing to ensure that the application meets its requirements and quality standards. The quality assurance team shall conduct regular audits of the application's code, functionality, and security to identify potential issues and ensure compliance with best practices.

The quality assurance team shall also provide ongoing support and maintenance to ensure that the application continues to meet its requirements and quality standards after deployment. This includes monitoring the application's performance, addressing user feedback, and implementing bug fixes and feature enhancements as necessary.

**5. Standard Adopted**

***5.1 Design Standards***

The design standards for the CampusKonnect app are based on the Material Design guidelines by Google and are implemented using Flutter, a cross-platform development framework that enables the creation of beautiful and performant apps for iOS and Android devices. The app's UI and UX are designed to be intuitive and user-friendly, catering to the needs of college students, teachers, and staffs who are the primary target users of the app.

***5.2 Security Requirements***

The coding standards for the CampusKonnect app are based on industry best practices and are implemented using Dart, a programming language that is optimized for building high-performance, scalable, and maintainable apps. The code is structured to be modular and easy to maintain, and adheres to coding standards such as clean code, naming conventions, and documentation. The code is also optimized for performance, taking into account factors such as memory usage, battery life, and network connectivity.

***5.3 Testing Standard***

The testing standards for the CampusKonnect app include both manual and automated testing methods, and are implemented using Flutter's built-in testing framework. The app is tested on a range of Android devices and platforms to ensure compatibility and optimal performance. The testing standards also include testing for security vulnerabilities and data privacy, to ensure that the app is secure and free from risks that could compromise user data. The app's testing standards are designed to ensure that the app meets its functional and non-functional requirements, and provides a seamless user experience.

# 6. Conclusion & Future Scope

***6.1 Conclusion:***

In conclusion, CampusKonnect is an innovative Android application designed to facilitate campus event management in colleges. The app streamlines the event planning process by providing a comprehensive event solution for campus event planners, facilitating communication with service providers, and maintaining a single source of information for all parties involved. CampusKonnect makes event management more efficient, saving time and resources while improving the overall quality of events. By leveraging the power of technology, CampusKonnect demonstrates how mobile devices and apps can simplify and enhance professional event management in the education sector.

***6.1 Future Scope:***

The future scope of CampusKonnect Android application in the college event management space is promising. With the increasing demand for efficient event planning tools, CampusKonnect has the potential to become the go-to platform for colleges and universities in need of event management solutions. The Android application can be further optimized with additional features such as real-time analytics, social media integration, and support for multiple languages. As technology continues to evolve, CampusKonnect has the potential to expand its reach beyond college campuses and into other sectors of event management. With a growing demand for digital event solutions, the future looks bright for CampusKonnect and its potential as a leader in the field of event management.

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**INDIVIDUAL CONTRIBUTION REPORT:**

**CampusKonnect**

Rohit Raj

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**Abstract:**

"CampusKonnect" is an Android application designed to facilitate event management in colleges. The app provides a user-friendly interface for students and faculty to create and manage events, send notifications, and keep track of attendance. With features like event scheduling, RSVP management, and real-time updates, CampusKonnect aims to streamline the event management process and enhance the overall campus experience.

**Individual contribution and findings:**

As part of a team developing the "CampusKonnect" Android app for event management in colleges, my individual contribution included designing the app's user interface (UI) and creating a distinctive logo. I also collaborated with the team to ensure that the design elements aligned with the app's overall objectives and user needs. Through user testing, we found that the UI design enhanced user experience and contributed to the app's overall usability. The logo design was positively received by users and helped to establish the app's brand identity.

**Individual contribution to project report preparation:**

As a member of the project team, my individual contribution to the project report preparation was designing the format of the report and implementing the styling. I worked closely with the team to understand the report requirements and create a visually appealing and easy-to-read format. I also ensured that the report was consistent in style and formatting throughout. This helped to present the information in a clear and organized manner, and contributed to the overall professionalism of the report..

**Individual contribution for project presentation and demonstration:**

As part of the project team, my individual contribution to the project presentation and demonstration included designing and styling the presentation slides. I worked closely with the team to ensure that the presentation content was organized and visually appealing, and that it effectively communicated the key aspects of the project. Additionally, I helped to deliver the presentation and demonstration with confidence and clarity, which helped to engage the audience and effectively showcase the project's features and benefits.

Full Signature of Supervisor: Full signature of the student:

……………………………. ……………………………..

**INDIVIDUAL CONTRIBUTION REPORT:**

**CampusKonnect**

Amarendra dash

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**Abstract:**

"CampusKonnect" is an Android application designed to facilitate event management in colleges. The app provides a user-friendly interface for students and faculty to create and manage events. CampusKonnect aims to streamline the event management process and enhance the overall campus experience.

**Individual contribution and findings:**

As a key member of the team working on the "CampusKonnect" Android app, I took charge of designing and developing the app's UI and creating a unique logo that aligned with the app's objectives and target audience. Throughout the design and development process, I collaborated with the team to ensure that the design elements were user-friendly and easy to navigate. I also worked on some of the backend features like OTP authentication. The UI design underwent rigorous user testing, which yielded positive feedback regarding the enhanced user experience and usability. Additionally, the logo design was well-received and effectively established the app's brand identity.

**Individual contribution to project report preparation:**

As a key contributor to the project team, my individual role in the development of the project report was designing the format and implementing the styling. I worked collaboratively with the team to identify the report requirements. Throughout the process, I ensured consistency in the report's style and formatting, which contributed to its overall professionalism.

**Individual contribution for project presentation and demonstration:**

As an integral member of the "CampusKonnect" Android app development team, my individual contribution focused on designing a compelling and visually appealing presentation to effectively demonstrate the app's functionalities. I closely collaborated with the team to understand the app's features and benefits, and designed a presentation that effectively conveyed this information to stakeholders. With an emphasis on visual elements and engaging content, the presentation succeeded in capturing the attention of the audience and communicating the app's value proposition. Overall, my contribution played a significant role in effectively showcasing the app's potential to potential users.

Full Signature of Supervisor: Full signature of the student:

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**INDIVIDUAL CONTRIBUTION REPORT:**

**CampusKonnect**

Mayur Raj Sarma

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**Abstract:**

"CampusKonnect" is an Android application designed to facilitate event management in colleges. The app provides a user-friendly interface for students and faculty to create and manage events. CampusKonnect aims to streamline the event management process and enhance the overall campus experience.

**Individual contribution and findings:**

In the CampusKonnect app, I worked on the sign-in page and sign-up page user authentications and added validation checks for different fields. Additionally, I added sign-in with Google and stored the user information in Firebase. I also connected the list of event details with the Firebase Realtime Database, so that every user has visibility of events happening around the campus. Furthermore, I worked on implementing the search and filter functionality for various events in the dashboard.

**Individual contribution to project report preparation:**

I contributed to the project report preparation as a team member by providing constructive feedback and innovative ideas to enhance the overall quality of the report. I thoroughly reviewed the report and identified areas that required improvement or further explanation, and provided valuable suggestions to the team. Furthermore, I offered unique insights to refine the report's message and ensure that it aligns with the project's objectives.

**Individual contribution for project presentation and demonstration:**

As a member of the project team, I played an essential role in the project presentation and demonstration by delivering a clear and effective presentation that highlighted the project's key features and benefits. I collaborated with the team to create a compelling and engaging presentation that effectively communicated the project's objectives and outcomes to stakeholders. My strong presentation skills and ability to articulate complex ideas played a crucial role in the project's success and ensured that the audience comprehended the project's value proposition.

Full Signature of Supervisor: Full signature of the student:

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**INDIVIDUAL CONTRIBUTION REPORT:**

**CampusKonnect**

Dhriti Das

2006069

**Abstract:**

"CampusKonnect" is an Android application designed to facilitate event management in colleges. The app provides a user-friendly interface for students and faculty to create and manage events. CampusKonnect aims to streamline the event management process and enhance the overall campus experience.

**Individual contribution and findings:**

As a member of the project team, my individual contribution included designing and color-pelleting various elements of the project in Figma. This involved selecting appropriate color schemes, fonts, and graphics to create a visually pleasing and cohesive aesthetic. I also took the initiative to design and develop the Event-details page. Through research and user testing, I found that certain color combinations and design elements could enhance user experience and engagement with the project. By implementing these design choices, I contributed to the project's overall success.

**Individual contribution to project report preparation:**

As a member of the project team, my individual contribution to the project report preparation was writing and editing the report content. I worked closely with the team to ensure that the report accurately documented the project's objectives, methodology, findings, and recommendations. I also conducted research and analysis to support the report's content, and reviewed and revised the report to ensure that it met the project's requirements and quality standards.

**Individual contribution for project presentation and demonstration:**

As a member of the project team, my individual contribution to the project presentation and demonstration included writing and editing the content. I worked closely with the team to ensure that the PPT accurately documented the project's objectives, methodology, findings, and recommendations. I also conducted research and analysis to support the report's content, and reviewed and revised the PPT to ensure that it met the project's requirements and quality standards.

Full Signature of Supervisor: Full signature of the student:

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