

# CS19611 - MOBILE APPLICATION DEVELOPMENT PROJECT REPORT

SPORTS NEWS APP

*Submitted by*

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**BONAFIDE CERTIFICATE**

This project report titled **"SPORTS NEWS APP"** is the bonafide work of **KARUMURY NAGA MADHAVA NIKHIL (220701120)**, who carried out the work under my supervision. Certified further that to the best of my knowledge, the work reported herein does not form part of any other thesis or dissertation based on which a degree or award was conferred earlier.

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**CHAPTER 1**

**ABSTRACT**

**Sports News App** is a dynamic and feature-rich mobile application designed to provide users with real-time updates, breaking news, and in depth analysis across various sports. Tailored for Android devices, the app delivers a seamless experience, ensuring fans stay informed about their favorite teams, leagues, and tournaments.

With a sleek and intuitive interface, **Sports News App** allows users to browse trending stories, live match updates, expert insights, and comprehensive statistics—all in one place. Users can personalize their news feed by selecting preferred sports categories, including football, cricket, basketball, tennis, and more.

Optimized for high performance, the app integrates real-time data fetching, interactive media content, and push notifications to keep users engaged with the latest happenings in the sports world. Designed with modern UI/UX principles, it ensures smooth navigation and a visually appealing experience across various Android devices.

From a technical standpoint, the app showcases essential mobile development concepts such as API integration, dynamic content rendering, efficient data handling, and responsive UI design. Future upgrades could include AI-driven news recommendations, discussion forums for fan engagement, multi-language support, and offline access to saved articles making **Sports News App** an essential tool for sports enthusiasts everywhere.

**CHAPTER 2**

**INTRODUCTION**

**2.1 GENERAL**

**Sports News App** is a dynamic and engaging mobile application designed to provide users with the latest updates, breaking news, and in-depth analysis from the world of sports. Built using Android Studio and Kotlin, the app allows users to follow their favorite teams, leagues, and tournaments with real-time information, ensuring they stay ahead of every game. Users can customize their experience by selecting preferred sports categories such as Baseball, Badminton, Basketball, Bowling and more.

**2.2 OBJECTIVE**

● To develop a user-friendly mobile app that delivers real-time sports news and updates effortlessly.

● To provide users with a categorized breakdown of sports content, including match results, expert analysis, and trending stories.

● To enhance user engagement with interactive features such as live scores, multimedia content, and smooth navigation.

**2.3 EXISTING SYSTEM**

Many existing sports news applications either focus only on specific sports or fail to offer a personalized experience for users. Some apps provide only static news articles without real-time updates or interactive features, making it difficult for users to get instant insights.

**CHAPTER 3**

# LITERATURE SURVEY

Several mobile applications currently provide sports news and live updates. Apps like "ESPN," "OneFootball," and "Bleacher Report" deliver sports coverage across multiple leagues. However, many existing sports news platforms often lack:

● A streamlined and intuitive UI for effortless navigation.

● Instant live score tracking alongside breaking news updates.

● Customizable feeds tailored to user preferences (specific teams, leagues, or sports).

● Offline functionality to access saved articles or cached updates without an internet connection.

Research in mobile sports applications highlights that users favor fast-loading interfaces, real-time data updates, and personalized content streams. Many fans prefer apps that minimize clutter, avoid excessive ads, and offer an engaging mix of multimedia, such as match highlights, expert analysis, and interactive discussions. However, numerous existing apps include distracting pop-ups, require extensive setup, or restrict access behind paywalls, limiting usability and overall user satisfaction.

**CHAPTER 4**

# PROPOSED SYSTEM

**4.1 SYSTEM OVERVIEW**

**Sports News App** enhances existing sports news platforms by providing a streamlined, real-time sports coverage experience. Designed with a user-friendly interface, the app delivers breaking news, match highlights, expert analysis, and live updates across various sports categories. Users can personalize their feed, ensuring they receive relevant sports information effortlessly.

**4.2 SYSTEM ARCHITECTURE**

● User launches the app.

● Selects favorite sports, teams, or leagues for a personalized feed.

● Receives real-time updates on match scores, news, and analytics. Application automatically updates:

● Latest breaking sports news.

● Live match scores and statistics.

● Trending stories and expert insights.

● Customized feed based on user preferences.

A diagram of a software company

Description automatically generated with medium confidence

(Fig 3.1 System Architecture)

**CHAPTER 5**

# MODULE DESCRIPTION

**5.1 MODULES**

● **News Aggregation Module:**

* Collects and organizes real-time sports news from various sources.
* Ensures users receive breaking news, match previews, and post-game analysis.

● **Personalized Feed Module:**

* Users can select favorite teams, leagues, or sports for a tailored experience.
* AI-based recommendations ensure relevant news and updates are prioritized.

● **Push Notifications Module:**

* Sends real-time alerts for match kick-offs, score changes, and major events.
* Allows users to customize notification settings for specific teams and sports.

● **Offline Mode & Saved Articles Module:**

* Enables users to save articles for offline reading.
* Allows cached data retrieval for previously loaded content.

● **UI/UX Module:**

* Implements a sleek, responsive Material Design-based interface.
* Ensures smooth navigation, minimal clutter, and visually appealing layouts.

**5.2 ACTIVITY DIAGRAM**

A diagram of a sports team

Description automatically generated with medium confidence

(Fig 4.1 Activity Diagram)

**CHAPTER 6**

**IMPLEMENTATION AND RESULTS**

**6.1 TOOLS USED**

* Android Studio
* Java
* XML for UI
* SQLite (for storing sports news)
  1. **OUTPUT SCREENSHOTS**

**A screenshot of a cell phone

Description automatically generated A screenshot of a cell phone

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(Fig 6.1 App Home Page) (Fig 6.2 Sports News)

A screenshot of a cell phone

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(Fig 6.3 More sports) (Fig 6.4 Scroll Down More Sports)

**CHAPTER 7**

**CONCLUSION AND FUTURE ENHANCEMENT**

**6.1 CONCLUSION**

**Sports News App** delivers an efficient and engaging platform for sports enthusiasts to stay updated with the latest news, live scores, and expert analysis. With real-time updates, personalized content, and an intuitive user interface, the app ensures fans never miss a moment from their favorite teams, leagues, or tournaments.

**6.2 FUTURE ENHANCEMENT**

● Integrate **AI-driven content recommendations** to personalize news feeds based on user preferences.

● Add **live match streaming** or embedded video highlights for better engagement.

● Implement **push notifications** for match updates, breaking news, and event reminders.

● Introduce **multi-language support** to enhance accessibility for a global audience.

**REFERENCES**

 Android Developer Documentation

 Material Design UI/UX Best Practices (2025)

 Sports API Documentation for Live Data Feeds

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