# Formula 1 Connection Hub: Explore, Engage, Elevate

Introducing the groundbreaking "Formula 1 Connection Hub," designed to transform fan engagement. This innovative platform seamlessly merges historical exploration, dynamic discussions, and direct race ticket booking into individual team websites. With features like a waiting list and ticket confirmation system, the hub ensures fair ticket access. An interactive "Open Forum" facilitates lively interaction among fans, drivers, and teams. Utilizing cutting- edge technologies like React and .NET, it offers real-time data updates and even driver identification through face detection.

## Addressing System Limitations and Introducing Unique Solutions

The project ingeniously integrates ticket booking into individual team websites, streamlining the process and overcoming a significant conventional system limitation. Moreover, we introduce an integrated store feature within the "Formula 1 Connection Hub," allowing fans to purchase team merchandise directly. The platform also establishes an interactive "Open Forum," fostering real-time interaction among fans, drivers, and teams, thereby creating a vibrant community. With technological advancements including timely updates and driver identification through face detection, our platform redefines engagement. Lastly, teams can create and manage their fan groups, propelling a new era of fan-team connectivity within the Formula 1 landscape.

## MODULES:

**Home Page**

F1 History, Team History Drivers, News, Fixtures

Team Members, Driver standings, Gallery

## User Functionality

Registration and Login Ticket Booking

Browse and Select Race, Book Ticket, Cancel Ticket, manage waiting List

Fan Poll for Favorite

Driver Open Forum

Create Discussion, Browse Discussions

View Discussion, Comment on Discussion

Face Detection (ML Feature)

Upload Image, Camera Access Detected Driver, Employee Attendance Register

## Team Functionality

Team Profile

Team Information, Team Members,

Achievements

Managing open forum

Create open forums, Browse different forums, View forums,

Comment on open forums

Team Store

Browse Products, Product Details, Add to Cart, Checkout

## Admin Functionality

Admin Login Content Management

Edit F1 History, Edit Team History Edit Drivers, Add/Edit News

Manage Fixtures, Manage Team Members Manage Driver Standings,

Upload Gallery Images

Ticket Management

Set Ticket Availability, View Ticket Bookings Manage Ticket Waiting lists, Cancel Tickets, manage history of tickets sold

Login Management

View Registered Users, Edit User permissions, Delete user.

Open Forums

Approve new Discussions, Delete Inappropriate Comments Team Management

Create Team, Edit Team

Manage Team Members, Manage Team Store Management

Add Products, Edit Products Manage Orders

## Machine Learning

Face Detection Model, Employee Attendance Register.

The " Formula 1 Connection Hub " redefines fan engagement by seamlessly integrating historical exploration, dynamic discussions, and convenient ticket booking. As it evolves, the addition of notifications and responsive design promises a user experience that's informative and adaptable. This hub is poised to be the ultimate destination, connecting fans with their passion for Formula 1 in an unprecedented way.