

MAJOR PROJECT

Project Title :- College Chariot

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**Internal Guide :** Mr. D.Sandeep. **ABSTRACT:-**

The College Chariot is a bus management system integrates cutting-edge technologies to deliver a seamless and efficient transportation solution. Utilizing web technologies such as HTML, CSS, and JavaScript, alongside frameworks like React.js or Angular.js, the system provides a user-friendly interface for functionalities such as pass issuance, bus scheduling, and student information management. Backend operations are powered by server-side languages such as Python or Node.js, coupled with relational database management systems like MongoDb or PostgreSQL for robust data handling. Real-time bus tracking, enabled by GPS technology through Google Maps API, ensures accurate location updates, while authentication mechanisms utilizing Firebase or JSON Web Tokens (JWT) guarantee secure access for both users and administrators. Integration with payment gateways further enhances the system's convenience, allowing users to make online payments seamlessly through Stripe or Authorize.Net . This comprehensive approach leverages modern technology to optimize bus transportation within educational institutions or corporate settings, enhancing efficiency and user experience.Version control is managed through GitHub, ensuring collaborative development and transparent tracking of project changes.  
**Github Link :** [**https://github.com/Harsha19-08/CollegeChariot**](https://github.com/Harsha19-08/CollegeChariot)

**Project Guide Project Coordinator H.O.D**