

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



Internship Report

On

RIDE PLUS

An internship report submitted in partial fulfilment of the requirement for the degree of

BACHELOR OF TECHNOLOGY

in

INFORMATION TECHNOLOGY

Submitted By:

Ritika Choudhary

0901IT181048

Faculty Mentor:

Dr. Vikram Rajpoot

Assistant Professor

Submitted to:

DEPARTMENT OF INFORMATION TECHNOLOGY

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

GWALIOR - 474005

MAY-JUNE 2022

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

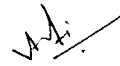
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CERTIFICATE

This is certified that **Ritika Choudhary 0901IT181048** has submitted the Internship report titled “**Ride Plus**” of the work she has done under the mentorship of **Dr. Vikram Rajpoot**, in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in **Information Technology** from Madhav Institute of Technology & Science, Gwalior.



Dr. Vikram Rajpoot
Assistant Professor
Information Technology



Dr. Akhilesh Tiwari
Professor and Head,
Department of IT

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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DECLARATION

I hereby declare that the work being presented in this Internship report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in Information Technology at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of **Dr. Vikram Rajpoot**, Assistant Professor, Department of Information Technology.

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.



Ritika Choudhary
0901IT181048
IV Year,
Information Technology

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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ACKNOWLEDGEMENT

The full semester internship has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology & Science, Gwalior** to allow me to continue my disciplinary/interdisciplinary internship as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Information Technology**, for allowing me to explore this internship. I humbly thank **Dr. Akhilesh Tiwari**, Professor and Head, Department of Information Technology, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty mentor. I am grateful to the guidance of, **Dr. Vikram Rajpoot**, Assistant Professor, Department of Information Technology, for his continued support and close mentoring throughout the internship. I am also very thankful to the faculty and staff of the department.



Ritika Choudhary

0901IT181048

IV Year,

Information Technology

ABSTRACT

About the Organization:

Persistent Systems was founded on May 16, 1990. It is a multinational technology solutions company specializing in software products, services and innovation. The company provides services throughout the product life cycle. The company provides services at all stages of its product life cycle, enabling it to collaborate with a wide range of customers to develop and sell customer software.

Internship Details:

- 1. Internship duration:** 12 January 2022 to 12 July 2022
- 2. Domain:** Java Full Stack
- 3. General Structure of Internship:** The internship program is divided in two phase:
 - Phase 1: Modularized Training
 - Modules: Oops, Git, SQL, Core Java & Junit, Maven, Spring Boot, HTML, CSS, JavaScript, ReactJS
 - Phase 2: Action Learning Project
 - Core Topics Action Learning / Mini Project
- 4. Assessment Information:** Both Phases, Phase 1 and 2 are closely monitored in the form of subjective and objective assessment.
 - Objective assessment: Module wise assessments to be conducted in Phase 1.
 - Subjective assessments: Action learning projects in Phase 2 to get hands on expertise.

Employment Letter



PSL/HR/Cert-Add/2022
May 18, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Ritika Choudhary** (Employee Code 46994) is employed with us since **12 January 2022**. Her designation is **Intern**.

According to the office records, her local and permanent addresses are :

Local Address

Near New Maheshwari Bhavan, Narmada Colony, Sandiya Road, Pipariya, Dist. Hoshangabad, M.P.
Hoshangabad - 461775
Madhya Pradesh - India

Permanent Address

Near New Maheshwari Bhavan, Narmada Colony, Sandiya Road, Pipariya, Dist. Hoshangabad, M.P.
Hoshangabad - 461775
Madhya Pradesh - India

This certificate is being issued on her request as a proof of employment and residence For verification purpose.

For Persistent Systems Ltd.

A handwritten signature in blue ink, appearing to read 'Manisha Tapaswi'.

Manisha Tapaswi
Senior General Manager - Human Resources

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Chapter 1

Introduction

1.1 Objective

The objective of our internship project is to create a website through which a person can book a car/bike for going outside according to one's comfort when the person doesn't have his/her own vehicle.

1.2 About this Website

"RIDE PLUS" is a platform that will allow you to connect with other professionals who traverse the same route and at the same time as you. Ride Plus enables commuters to share the ride instead of traveling alone. Innovative technology to discover, connect, route match, coordinate, and cost-share seamlessly. Ride Plus automates the end-to-end process of carpooling & bike pooling and makes pooling safe, relaxing, and free for the commuters.

Chapter 2

System Requirement

2.1 Software Requirements

- **Eclipse IDE:** Eclipse is an integrated development platform (IDE). A basic workspace is included, as well as an extendable custom plugin system. Eclipse is generally used to expand Java applications, although it may also be used to extend applications written in other programming languages via plugins. All of the functionality inside and outside the operating system is provided through plug-ins in Eclipse.
- **Visual Studio Code:** Visual Studio Code (VS Code) is a source code editor for Windows, Linux, and macOS that was developed by Microsoft. Debug support, syntax highlighting, smart coding, labelling, coding, and embedded git are among the features. Extensions in the core memory area can be used to extend Visual Studio Code.
- **Postman:** Postman is an API platform for developers to design, build, test, and duplicate their APIs. API projects with OpenAPI, GraphQL, and RAML specifications can be deployed using Postman. Includes various source controls, CI / CD, gates, and APM solutions.
- **MySQL Server:** MySQL Server is a robust database management system for queries and connections that also has great data structures and the ability to work with a wide range of platforms. In high-demand production sectors, you can reliably and swiftly process massive amounts of data.
- **GitHub:** GitHub, Inc. is a Git software development and version control hosting service. It includes Git source code management (SCM) and distributed version control. It includes project-wide issue tracking, feature requests, task management, continuous integration, and wikis, among other collaboration capabilities. It is frequently used to manage open source projects.

2.2 Technologies Used

- **Frontend**

- i) **ReactJS:** ReactJS is a free JavaScript library with open source UI components based on user interaction. Meta (previously Facebook) and a community of individual individuals and businesses are hosting the event. Using frameworks like Next.js, React may be used as a foundation for constructing single-page, mobile, or server-based apps. However, because React is only concerned with land management and presenting its state to the DOM, creating React apps frequently necessitates the usage of additional frameworks for data transmission and some client-side functionalities.
- ii) **HTML:** HTML, or hypertext markup language, is the industry standard for formatting text for display in a web browser. It can be supported by technologies like CSS and scripting languages like JavaScript.
- iii) **CSS:** CSS (Cascading Style Sheets) is a style sheet language that describes how text produced in markup languages like HTML is displayed. CSS is used to show presentation and content elements including layouts, colours, and fonts.
- iv) **Bootstrap:** Bootstrap is a free CSS framework and open source dedicated to responsive, advanced mobile web development. Contains HTML, CSS and (optional) JavaScript-based design templates for typing, forms, buttons, navigation, and other interactive features.

- **Backend**

- i) **Spring Boot:** The Spring Framework is a framework for implementing and modifying the Java platform's control platform. The fundamental framework pieces can be used in any Java application, although there are Java EE Platform additions for developing web apps (Enterprise Edition).

Spring Boot is a Java-based open source framework for creating simple services. The Pivotal team built and used their own programme to make the ideal spring product.

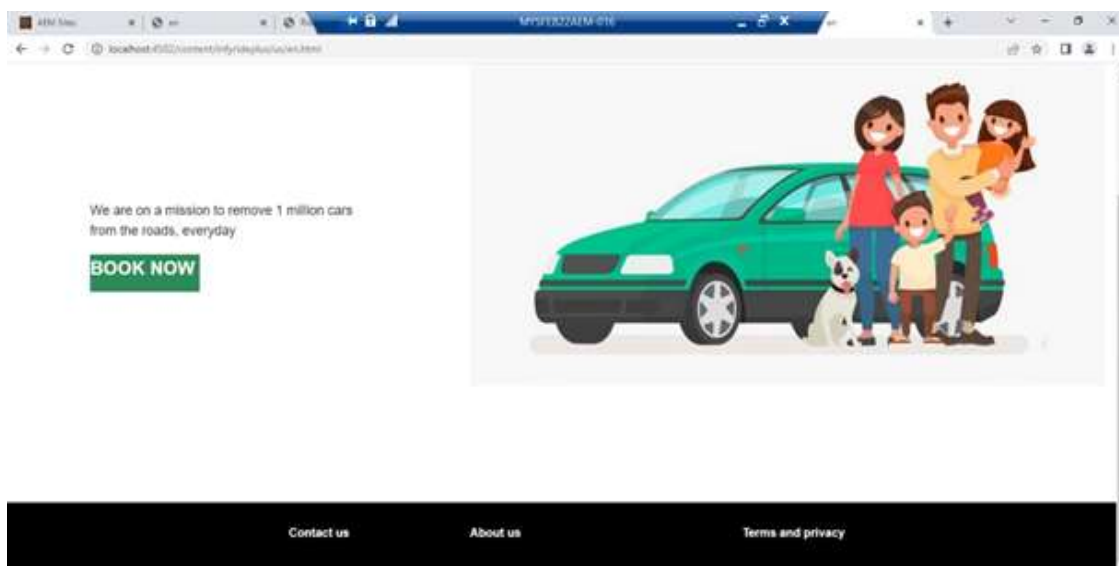
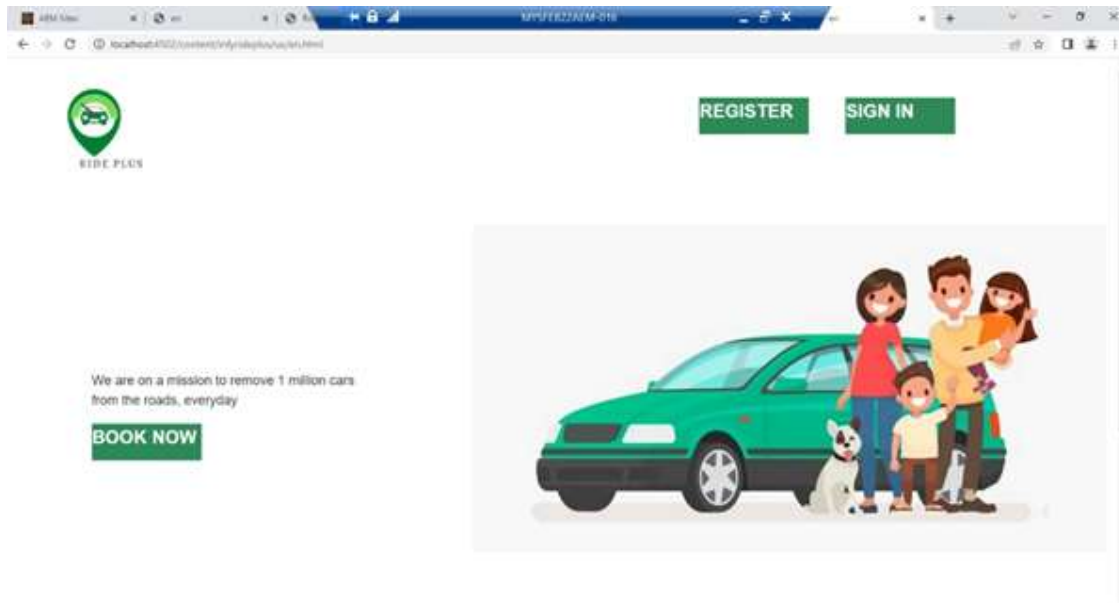
- ii) Java:** Java is a high-level, object-oriented programming language based on classes that allows programmers to write and execute code only once. This means you can use the built-in Java code on any platform that supports Java. Integration is required. Java programmes are often written in bytecode that can run on any Java Virtual Machine (JVM) regardless of computer architecture.
- iii) MySQL:** MySQL is a relational database control machine based at the based question Language, which is the famous language for having access to and handling the data inside the database. MySQL is open-supply and loose software beneath the GNU license. Supported with the aid of Oracle organisation.

Chapter 3

Project Components

3.1 Main Features

Home Page



The main features are:

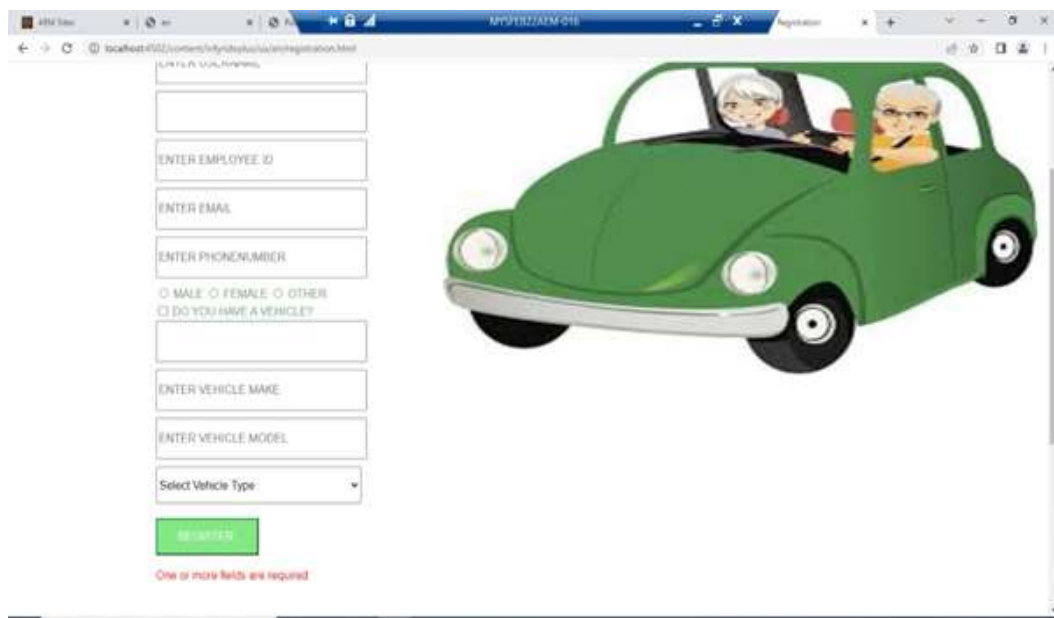
- **Sign In:**

Users can sign in using their phone numbers. After entering the phone number, the user is directed to the page where an OTP must be entered for authentication.



- **Register:**

Users can register by providing details such as their name, email address, phone number, employee id, gender, vehicle model, vehicle type, and name if they own a vehicle.



- **Get Ride:**

Users can access the Get Ride page after signing in. On the Get Ride page, users can specify the pickup location, destination, time and date for which a ride is needed.



- **Offer Ride:**

On the Offer Ride page, the user can specify the pickup location, destination, time, and date on which they are ready to offer a ride.

- **Experience:**

Users can share their experiences about the ride, platform, etc.

- **Social Media Sharing:**

Users can share this platform on social media.

Chapter 4

Conclusion, Future Scope & Outcomes

4.1 Conclusion

Most of the IT sector is located in the metro cities of India where the traffic is very heavy. Ride Plus offers a great solution to this problem.

It offers options to not only get a ride when you don't have your own vehicle but also if you have one, you can always enjoy some company with the people you work with.

4.2 Future Scope

As stated previously 'We are on a mission to remove 1 Million Cars from the road'. It will not only solve the problem of traffic but also to reduce the emission of Carbon Dioxide which in turn will be beneficial for our environment.

Our future plan is to implement the user experience rating and available ride option for the user. In the coming future we plan to implement it to a mobile application which will make it more accessible to the user to book and share ride anywhere, anytime

4.3 Learning Outcomes

On successful completion of this training, you should be able to:

LO1: Learning Foundational/ Fundamentals of Specified technology

LO2: Understanding the Corporate culture

LO3: Understanding the Industry Trends

LO4: Enhancing communication and interpersonal skills

LO5: Complying with the L&D and company policy while imbibing the organizational culture and professionalism in true essence.

Performance/Progress Report

Persistent Generated Time : 26-05-22 11:46

Progress Report

Ritika Choudhary
ritika_choudhary@persistent.com

75.21
Days Worked

98
Overall Participation

150h
Time Spent

93
Overall Performance

Java Full Stack Program

Batch Name : PSL_JFS2_JAN_BATCH_02

Batch Owner : **Varsha Mulik**
varsha_mulik@persistent.com

Course Learning Metrics				
S.No	Course Name	Skill Name	Participation	Performance
1	Persistent - SQL Queries	SQL	100	100
2	Persistent - Git For Beginners	DevOps	100	100
3	Persistent - OOPs Concepts	OOPs	100	-NA-
4	Persistent - Core Java & Junit	Java	100	100
5	Persistent - HTML	HTML	100	100
6	Persistent - JavaScript	Javascript	100	100
7	Persistent - Maven	Maven	100	-NA-
8	Persistent - Spring	Spring	96	82
9	Persistent - React With Redux	React	98	94

Assessment Summary

F 0-69

B 70-79

A 80-89

A+ 90-100

S.No	Assessment Name	Attempted Date	Grade	Status
1	GEMS Generic Paper - Combined Test	04 Mar 2022	A	Cleared
2	GEMS Core Java and Junit - Combined Test	17 Mar 2022	A	Cleared
3	GEMS JS_HTML_CSS Combined_Test	03 May 2022	A+	Cleared
4	Spring Boot and Maven	19 May 2022	A+	Cleared
5	GEMS Powerskill	26 May 2022	A+	Cleared

Feedback

Ritika Choudhary Aced it!!!!

Ritika Choudhary has completed all the training activities and aced the assessments with outmost dedication. More time can be spent on gaining hands-on experience, because only practice can make perfect.

Continuous learning is key to success!

References

- <https://www.youtube.com/>
- <https://getbootstrap.com/>
- <https://www.javatpoint.com/reactjs-tutorial>
- <https://reactjs.org/>
- <https://www.w3schools.com/REACT/DEFAULT.ASP>

Mentor's Contribution

All thanks to **Dr. Vikram Rajpoot**, Assistant Professor, Department of Information Technology, for guiding me throughout the internship. Your suggestions and guidance were very helpful in successful completion of internship and making of this project. You suggested me various technologies to learn which will be helpful for me in the field of Computer Science. Thank you for all your time and effort you gave to me.

Ritika.

Ritika Choudhary
0901IT181048
IV Year,
Information Technology

Appendices

1)

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE, GWALIOR

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RGPV, Bhopal)

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Ritika Choudhary		Department	Information Technology	
Industry/Organization	Persistent Systems		Date/Duration	12-Jan-2022 to 14-March-2022	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				Very good	
Learning capacity/Knowledge up gradation			Good		
Performance/Quality of work			Good		
Behaviour/Discipline/Team work				Very good	
Sincerity/Hard work				Very good	
Comment on nature of work done/Area/Topic	Modules / Topics covered :- SQL, Git, Ooops, Core Java, Maven, SpringBoot(Ongoing) Generic Assessment(Git,SQL,Ooops) conducted on 4 th March 2022 Assessment Score:- 84.0%				
<u>OVERALL GRADE (Any one)</u>	<u>GOOD</u>				
<u>Name of Industry Mentor</u>	Payal Batham (Executive - Learning & Development,Persistent University)				
<u>Signature of Industry Mentor</u>	<i>Payal Batham</i>				

Receiving Date		Name of Faculty Mentor		Sign	
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2)

**MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE,
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RGPV, Bhopal)

**FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY
MENTOR**

Name of student	Ritika Choudhary		Department	Information Technology	
Industry/Organization	Persistent Systems		Date/Duration	14/03/2022 to 06/04/2022	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				Very good	
Learning capacity/Knowledge up gradation			Good		
Performance/Quality of work			Good		
Behaviour/Discipline/Team work				Very good	
Sincerity/Hard work				Very good	
Comment on nature of work done/Area/Topic	Domain :- Java Full Stack Modules / Topics covered :- Spring Boot, JavaScript, HTML & CSS, ReactJS(Ongoing) Core Java & JUnit Assessment conducted on 17 th March 2022 Assessment Score:- 88.0%				
<u>OVERALL GRADE (Any one)</u>	<u>GOOD</u>				
<u>Name of Industry Mentor</u>	Payal Batham (Executive - Learning & Development, Persistent University)				
<u>Signature of Industry Mentor</u>	<i>Payal Batham</i>				

Receiving Date		Name of Faculty Mentor		Sign	
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3)

**MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE,
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RGPV, Bhopal)

**FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY
MENTOR**

Name of student	Ritika Choudhary		Department	Information Technology	
Industry/Organization	Persistent Systems		Date/Duration	07/04/2022 to 27/04/2022	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				Very good	
Learning capacity/Knowledge up gradation			Good		
Performance/Quality of work			Good		
Behaviour/Discipline/Team work				Very good	
Sincerity/Hard work				Very good	
Comment on nature of work done/Area/Topic	Domain:- Java Full Stack Modules / Topics covered :- React JS, Revision of Spring, Spring Boot and Spring Security				
<u>OVERALL GRADE (Any one)</u>	<u>GOOD</u>				
<u>Name of Industry Mentor</u>	Payal Batham (Executive - Learning & Development, Persistent University)				
<u>Signature of Industry Mentor</u>	<i>Payal Batham</i>				

Receiving Date		Name of Faculty Mentor		Sign	
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4)

**MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE,
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**FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY
MENTOR**

Name of student	Ritika Choudhary		Department	Information Technology	
Industry/Organization	Persistent Systems		Date/Duration	28/04/2022 to 20/05/2022	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work				Very good	
Learning capacity/Knowledge up gradation			Good		
Performance/Quality of work			Good		
Behaviour/Discipline/Team work				Very good	
Sincerity/Hard work			Good		
Comment on nature of work done/Area/Topic	Domain:- Java Full Stack 1.GEMS JavaScript, HTML, CSS Assessment conducted on 03 May 2022 Score: 90% 2.GEMS Spring Boot and Maven Assessment conducted on 19 May 2022 Score: 96%				
<u>OVERALL GRADE (Any one)</u>	<u>GOOD</u>				
<u>Name of Industry Mentor</u>	Payal Batham (Executive - Learning & Development, Persistent University)				
<u>Signature of Industry Mentor</u>	<i>Payal Batham</i>				

Receiving Date		Name of Faculty Mentor		Sign	
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Plagiarism Report

plag
by Akash Sir

Submission date: 05-Jun-2022 11:02AM (UTC+0530)

Submission ID: 1850565880

File name: Ritika-Internship_Report.docx (1.09M)

Word count: 1113

Character count: 5986

Chapter 1

Introduction

1.1 Objective

The objective of our internship project is to create a website through which a person can book a car/bike for going outside according to one's comfort when the person doesn't have his/her own vehicle.

1.2 About this Website

"RIDE PLUS" is a platform that will allow you to connect with other professionals who traverse the same route and at the same time as you. Ride Plus enables commuters to share the ride instead of traveling alone. Innovative technology to discover, connect, route match, coordinate, and cost-share seamlessly. Ride Plus automates the end-to-end process of carpooling & bike pooling and makes pooling safe, relaxing, and free for the commuters.

plag

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16%
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PUBLICATIONS

11%
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PRIMARY SOURCES

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