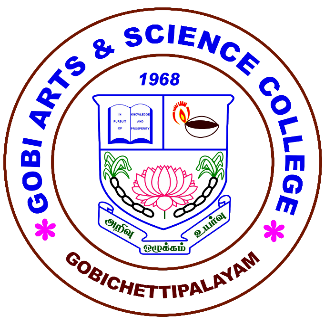
**SMART TAXI WEB APPLICATION–EFFICIENT RANKING ALGORITHM FOR VEHICLE MANAGEMENT SYSTEM**



**PROJECT REPORT**

**Submitted to**

**DEPARTMENT OF COMPUTER SCIENCE**

**GOBI ARTS & SCIENCE COLLEGE**

**(An Autonomous Co-educational Institution Affiliated to Bharathiar**

**University, Accredited With ‘A’ Grade by NAAC (4th Cycle) )**

**GOBICHETTIPALAYAM -638 453**

**By**

**S. HARIPRASATH**

**(22-06-121)**

**Guided By**

**Dr. R. PRABAHARI, M.C.A., M.Sc(CS)., M.Phil., Ph.D.,**

In partial fulfillment of the requirements for the award of the degree of **Master of Science (Computer Science),** in the faculty of Computer Science **in Gobi Arts & Science College (Autonomous), Gobichettipalayam** affiliated to Bharathiar University, Coimbatore.

**APRIL-2024**

**DECLARATION**

**DECLARATION**

I hereby declare that the project report entitled **“SMART TAXI WEB APPLICATION-EFFICIENT RANKING ALGORITHM FOR VEHICLE MANAGEMENT SYSTEM”** submitted to the **Principal, Gobi Arts & Science College (Autonomous), Gobichettipalayam,** in partial fulfillment of the requirement for the award of the degree of **Master of Science (Computer Science),** is a record of project work done by me during the period of study in this college under the guidance and supervision of **Dr. R. PRABAHARI, M.C.A., M.Sc(CS)., M.Phil., Ph.D., Associate Professor, Department of Computer Science**.

Signature :

Name : **S. HARIPRASATH**

Register No : **22-06-121**

Date :

**CERTIFICATE**

**CERTIFICATE**

This is to certify that the project report entitled **“SMART TAXI WEB APPLICATION-EFFICIENT RANKING ALGORITHM FOR VEHICLE MANAGEMENT SYSTEM”** is a bona fide work done by **S. HARIPRASATH (22-06-121)** under my supervision and guidance.

Signature of the Guide :

Name : **R. PRABAHARI**

Designation : Associate Professor

Department : Computer Science

Date :

**Counter-Signed**

**Head of the Department Principal**

**Viva-Voce held on : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Internal Examiner External Examiner**

**ACKNOWLEDGEMENT**

**ACKNOWLEDGEMENT**

I would like to express my deep sense of gratitude and obligation to college council for providing necessary facilities given me the opportunity to do the entire college studies in Gobi Arts & Science College (Autonomous), Gobichettipalayam.

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I would like to acknowledge my gratitude to our beloved Head of the Department **Dr. K.A. SENTHILDEVI, M.C.A., M.Phil., Ph.D.,** Associate Professor, Department of Computer Science, Gobi Arts & Science College (Autonomous), Gobichettipalayam cheerful encouragement and supporting me as a lot who have given me overwhelming support this project has been completed with in the stipulated time.

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**S. HARIPRASATH**

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**SYNOPSIS**

**SYNOPSIS**

This project entitled **“SMART TAXI WEB APPLICATION-EFFICIENT RANKING ALGORITHM FOR VEHICLE MANAGEMENT SYSTEM”** is developed for the purpose for to prioritize vehicles based on a comprehensive set of factors. The algorithm considers vehicle health status, availability, usage history, fuel efficiency, capacity matching, predictive maintenance needs, cost optimization, real-time demand, regulatory compliance, environmental impact, and user preferences.

Vehicles are sorted based on their weighted scores in descending order. This will give the ranked list of vehicles.

The project has been developed by using HTML, BOOTSTRAP as front end and PHP as back end.

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