

ONLINE CAR RENTAL SYSTEM

A Major Project Report submitted in partial fulfilment of the requirements

For the Degree

Of

B. Tech in **Computer Science Engineering**

Submitted by

Mr. Bharadwaj Nayak (1901298095)

Under the guidance of

Mr. Priyabrata Nayak (Asst. Prof. Dept of Software Development)

Gandhi Institute For Technology, Bhubaneswar

For the

Session 2022-2023



DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Gandhi Institute For Technology (GIFT), Bhubaneswar

Affiliated to



BIJU PATNAIK UNIVERSITY OF TECHNOLOGY, ODISHA

ONLINE CAR RENTAL SYSTEM

A Major Project Report submitted in partial fulfilment of the requirements

For the Degree

Of

B. Tech in **Computer Science Engineering**

Submitted by

Mr. Sahil Kumar Dhala (1901298183)

Under the guidance of

Mr. Priyabrata Nayak (Asst. Prof. Dept of Software Development)

Gandhi Institute For Technology, Bhubaneswar

For the

Session 2022-2023



DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Gandhi Institute For Technology (GIFT), Bhubaneswar

Affiliated to



BIJU PATNAIK UNIVERSITY OF TECHNOLOGY, ODISHA

ONLINE CAR RENTAL SYSTEM

A Major Project Report submitted in partial fulfilment of the requirements

For the Degree

Of

B. Tech in **Computer Science Engineering**

Submitted by

Mr. Satya Sundar Moharana (1901298192)

Under the guidance of

Mr. Priyabrata Nayak (Asst. Prof. Dept of Software Development)

Gandhi Institute For Technology, Bhubaneswar

For the

Session 2022-2023



DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Gandhi Institute For Technology (GIFT), Bhubaneswar

Affiliated to



BIJU PATNAIK UNIVERSITY OF TECHNOLOGY, ODISHA



DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Gandhi Institute For Technology (GIFT), Bhubaneswar

Affiliated to (BIJU PATNAIK UNIVERSITY OF TECHNOLOGY, ODISHA)

CERTIFICATE

This is to certify that the project work titled “ONLINE CAR RENTAL SYSTEME” is a bonafide record of the work done by **Mr. Satya Sundar Moharana(1901298192)** in partial fulfilment of the requirements for the award of the degree B. Tech Computer Science Engineering from the Gandhi Institute For Technology (GIFT) under BIJU PATNAIK UNIVERSITY OF TECHNOLOGY (BPUT), ODISHA.

Mr. Priyabrata Nayak
PROJECT GUIDE

Prof. Smruti Smaraki Sarangi
PROJECT COORDINATOR

Dr. Sujit Panda
HOD, CSE

EXTERNAL EVALUATOR



DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Gandhi Institute For Technology (GIFT), Bhubaneswar

Affiliated to (BIJU PATNAIK UNIVERSITY OF TECHNOLOGY, ODISHA)

CERTIFICATE

This is to certify that the project work titled “ONLINE CAR RENTAL SYSTEME” is a bonafide record of the work done by **Mr. Bharadwaj Nayak(1901298095)** in partial fulfilment of the requirements for the award of the degree B. Tech Computer Science Engineering from the Gandhi Institute For Technology (GIFT) under BIJU PATNAIK UNIVERSITY OF TECHNOLOGY (BPUT), ODISHA.

Mr. Priyabrata Nayak
PROJECT GUIDE

Prof. Smruti Smaraki Sarangi
PROJECT COORDINATOR

Dr. Sujit Panda
HOD, CSE

EXTERNAL EVALUATOR



DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Gandhi Institute For Technology (GIFT), Bhubaneswar

Affiliated to (BIJU PATNAIK UNIVERSITY OF TECHNOLOGY, ODISHA)

CERTIFICATE

This is to certify that the project work titled “ONLINE CAR RENTAL SYSTEME” is a bonafide record of the work done by **Mr. Sahil Kumar Dhala(1901298183)** in partial fulfilment of the requirements for the award of the degree B. Tech Computer Science Engineering from the Gandhi Institute For Technology (GIFT) under BIJU PATNAIK UNIVERSITY OF TECHNOLOGY (BPUT), ODISHA.

Mr. Priyabrata Nayak
PROJECT GUIDE

Prof. Smruti Smaraki Sarangi
PROJECT COORDINATOR

Dr. Sujit Panda
HOD, CSE

EXTERNAL EVALUATOR



DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Gandhi Institute For Technology (GIFT), Bhubaneswar

Affiliated to (BIJU PATNAIK UNIVERSITY OF TECHNOLOGY, ODISHA)

DECLARATION

I, Mr. Bharadwaj Nayak hereby declare that this written submission represents our ideas in our own words and where other's ideas or words have been included; it has been adequately cited and referenced the original sources. We also declare that we have adhered to all the principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/ data/fact/source in our submission. We understand that any violation of the above will be cause for disciplinary action by the institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Mr. Bharadwaj Nayak (1901298095)



DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Gandhi Institute For Technology (GIFT), Bhubaneswar

Affiliated to (BIJU PATNAIK UNIVERSITY OF TECHNOLOGY, ODISHA)

DECLARATION

I, Mr. Sahil Kumar Dhala hereby declare that this written submission represents our ideas in our own words and where other's ideas or words have been included; it has been adequately cited and referenced the original sources. We also declare that we have adhered to all the principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/ data/fact/source in our submission. We understand that any violation of the above will be cause for disciplinary action by the institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Mr. Sahil Kumar Dhala (1901298183)



DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Gandhi Institute For Technology (GIFT), Bhubaneswar

Affiliated to (BIJU PATNAIK UNIVERSITY OF TECHNOLOGY, ODISHA)

DECLARATION

I, Mr. Satya Sundar Moharana hereby declare that this written submission represents our ideas in our own words and where other's ideas or words have been included; it has been adequately cited and referenced the original sources. We also declare that we have adhered to all the principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/ data/fact/source in our submission. We understand that any violation of the above will be cause for disciplinary action by the institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

Mr. Satya Sundar Moharana (1901298192)

Content

Abstract

| | |
|---|--------------|
| 1.INTRODUCTION | 8 |
| 2.LITERATURE REVIEW..... | 9,10 |
| 3.PROJECT OBJECTIVE..... | 11 |
| 4.SCOPE OF THE PROJECT..... | 11 |
| 5.MODULE DESCRIPTION..... | 12 |
| 5.1. Admin Module..... | 12 |
| 5.2. User Module..... | 12 |
| 6.SOFTWARE QUALITY ATTRIBUTES..... | 12 |
| 7.SYSTEM REQUIREMENTS..... | 13 |
| 7.1. Hardware Requirement..... | 13 |
| 7.2. Software Requirement..... | 13 |
| 8.E-R DIAGRAM..... | 13,14 |
| 9.NORMALIZATION..... | 15 |
| 10.SYSTEM DESIGN..... | 15 |
| 10.1. Data Flow Diagram..... | 15,16 |
| 10.2. Use Case Diagram..... | 20,21 |
| 10.3. Sequence Diagram..... | 22,23 |
| 11.DATA DESIGN..... | 23,24 |
| 12.SCREEN SHORTS..... | 25-27 |
| 13.SOFTWARE TESTING..... | 28-01 |
| 14.CONCLUTION..... | 32 |
| 15.REFERENCES..... | 33 |

Content

Abstract

| | |
|---|--------------|
| 1.INTRODUCTION | 8 |
| 2.LITERATURE REVIEW..... | 9,10 |
| 3.PROJECT OBJECTIVE..... | 11 |
| 4.SCOPE OF THE PROJECT..... | 11 |
| 5.MODULE DESCRIPTION..... | 12 |
| 5.1. Admin Module..... | 12 |
| 5.2. User Module..... | 12 |
| 6.SOFTWARE QUALITY ATTRIBUTES..... | 12 |
| 7.SYSTEM REQUIREMENTS..... | 13 |
| 7.1. Hardware Requirement..... | 13 |
| 7.2. Software Requirement..... | 13 |
| 8.E-R DIAGRAM..... | 13,14 |
| 9.NORMALIZATION..... | 15 |
| 10.SYSTEM DESIGN..... | 15 |
| 10.1. Data Flow Diagram..... | 15,16 |
| 10.2. Use Case Diagram..... | 20,21 |
| 10.3. Sequence Diagram..... | 22,23 |
| 11.DATA DESIGN..... | 23,24 |
| 12.SCREEN SHORTS..... | 25-27 |
| 13.SOFTWARE TESTING..... | 28-01 |
| 14.CONCLUTION..... | 32 |
| 15.REFERENCES..... | 33 |

Content

Abstract

| | |
|---|--------------|
| 1.INTRODUCTION | 8 |
| 2.LITERATURE REVIEW..... | 9,10 |
| 3.PROJECT OBJECTIVE..... | 11 |
| 4.SCOPE OF THE PROJECT..... | 11 |
| 5.MODULE DESCRIPTION..... | 12 |
| 5.1. Admin Module..... | 12 |
| 5.2. User Module..... | 12 |
| 6.SOFTWARE QUALITY ATTRIBUTES..... | 12 |
| 7.SYSTEM REQUIREMENTS..... | 13 |
| 7.1. Hardware Requirement..... | 13 |
| 7.2. Software Requirement..... | 13 |
| 8.E-R DIAGRAM..... | 13,14 |
| 9.NORMALIZATION..... | 15 |
| 10.SYSTEM DESIGN..... | 15 |
| 10.1. Data Flow Diagram..... | 15,16 |
| 10.2. Use Case Diagram..... | 20,21 |
| 10.3. Sequence Diagram..... | 22,23 |
| 11.DATA DESIGN..... | 23,24 |
| 12.SCREEN SHORTS..... | 25-27 |
| 13.SOFTWARE TESTING..... | 28-01 |
| 14.CONCLUTION..... | 32 |
| 15.REFERENCES..... | 33 |