

IIMT ENGINEERING COLLEGE, MEERUT

CANDIDATE’S DECLARATION

I hereby certify that the work which is being presented in the report entitled “**EMPLOYEE TRACKING SYSTEM**” in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology and submitted in the Department of Computer Science and Engineering of IIMT Engineering College, Meerut is an authentic record of our own work carried out during a period of October 2015 to Present under the supervision of **Er. Ravikant**, Assistant Professor, Department of Computer Science and Engineering, IIMT Engineering College, Meerut.

The matter presented in this report has not been submitted by us for the award of any other degree of this or any other institute.

Nilesh Kumar

(Roll No. 1212710067)

Manpreet Singh

(Roll No. 1212710050)

Manish Jaiswal

(Roll No. 1212710049)

This is to certify that the above statement made by the candidates are correct to the best of my knowledge.

Date:

(Er. Ravikant)

Supervisor

The B.Tech. Viva-Voce Examination has been held on

Mr. Harsabardhan Barik

Signature of External Examiner

H.O.D. (C.S.E.)

BONAFIDE CERTIFICATE

This is to certify that this project of “**EMPLOYEE TRACKING SYSTEM**” is bonafide work of **Nilesh Kumar** (Roll No. 1212710067), **Manpreet Singh** (Roll No. 1212710050) and **Manish Jaiswal** (Roll No. 1212710049) was carried out under my supervision.

SIGNATURE

Mr. Harsabardhan Barik

H.O.D.

Computer Science & Engineering
IIMT Engineering College, Meerut

SIGNATURE

Er. Ravikant

Project Guide

Computer Science & Engineering
IIMT Engineering College, Meerut

Signature Examiner

ACKNOWLEDGEMENT

We would like to gratefully acknowledge the enthusiastic supervision of **Er. Ravikant** Assistant Professor, Department of Computer Science and Engineering, during this report. He inspired us greatly and his willingness to motivate us to contribute tremendously to our report. Without his encouragement and guidance this report would not have materialized.

We thank **Mr. Harsabardhan Barik HOD, Computer Science and Engineering** for allowing us for making our group the project and his keen interest, helpful guidance and above all the inspiration and encouragement that we received from him throughout the work.

We are grateful to all our friends for being the surrogate family during the years we stayed there and for their continued moral support thereafter.

We would also like to thank all the teaching and non-teaching faculty and friends, who have been a great help through their analytical comments and reviews

The guidance and support received from all the members who contributed to this report, was vital for the success of the report. We are grateful for their constant support and help.

Nilesh Kumar
(Roll No. 1212710067)

Manpreet Singh
(Roll No. 1212710050)

Manish Jaiswal
(Roll No. 1212710049)

ABSTRACT

The previous system uses MS Excel, and maintains their records, however it is not possible them to share the data from multiple system in multi user environment and also track employee location and his/her task related information, there is lot of duplicate work, and chance of mistake. When the records are changed they need to update each and every excel file. There is no option to find and print previous saved records. There is no security, anybody can access any report and sensitive data, also no reports to summary report. This Employee Tracking System is used to overcome the entire problem which they are facing currently, and making complete atomization of manual system to computerized system.

Finally I conclude that this project plays an important role in tracking the timings of the employee and how much time he is working and the entry time and exit time .When an employee cross the gate number of times. And maintain like a small database about the timings of the employee.

Techniques used are:-

- i) Java Server Faces.
- ii) My SQL
- iii) Servlet.

CONTENTS

Topics	Page no.
Candidate Declaration	i
Bonafide Certificate	ii
Acknowledgement	iii
Abstract	iv
Contents	v
List Of Figures	vii
List Of Screenshots	viii
1. Introduction	1
1.1 Employee Tracking System	1
2. System requirements and Specifications	3
2.1 Hardware requirement	3
2.2 Software requirement	4
2.3 Project Category	4
2.4 Tools ad language	4
3. About Employee Tracking System	5
3.1. How RFID module track employee?	6
3.2. How do admin find employee last location?	7
4. Scope of System	9
5. Acronyms, Abbreviations, Definitions	10
5.1. JSF	10
5.2. JSF MANAGED BEAN	10
5.3. XHTML	11
5.4. My SQL	11
5.5. Java Mail API	11
6. How does system work	13
7. System logic Diagram	14
7.1. Class diagram	14
7.2. Use case diagram	16
7.3. Sequential diagram	17
7.4. Data Flow Diagram	19

CONTENTS

Topics	Page no.
7.5 ER Diagram	21
8. System implementation	23
8.1 Table structure of database	23
9. Screenshots	24
10. Limitation	30
11. Future Scope	31
12. Conclusion	32
13. Bibliography	33

LIST OF FIGURES

Figure no.	Caption	Page no.
Figure 2.1	RFID Tag	3
Figure 2.2	RFID Reader	3
Figure 3.1	Employee Tracking System	5
Figure 3.2	How Employee Tracking	6
Figure 3.3.	System work	7
Figure 3.4	Track Employee by Name or Id	8
Figure 7.1	Class Diagram 1	14
Figure 7.2	Class Diagram 2	15
Figure 7.3	Use Case Diagram	16
Figure 7.4	Sequence Diagram 1	18
Figure 7.5	Sequence Diagram 2`	18
Figure 7.6	Sequence Diagram 3	19
Figure 7.7	Data Flow Diagram 1	20
Figure 7.8	Data Flow Diagram 2	21
Figure 7.9	ER Diagram	22
Figure 8.1	Table structure of database	23

LIST OF SCREENSHOTS

Screenshot no.	Caption	Page no.
Screenshot 9.1	Home Page	24
Screenshot 9.2	Admin Console	24
Screenshot 9.3	Register Employee	25
Screenshot 9.4	Track Employee	25
Screenshot 9.5	Track Employee by Name or Id	26
Screenshot 9.6	Assign Task	27
Screenshot 9.7	View Task Status	27
Screenshot 9.8	Employee Panel	28
Screenshot 9.9	Employee Home Page	29