

International Research Journal of Modernization in Engineering Technology and Science

(Peer-Reviewed, Open Access, Fully Refereed International Journal)

Volume:04/Issue:04/April-2022 Impact Factor- 6.752

www.irjmets.com

# OPTIMIZING THE EFFICIENCY OF EMPLOYEE IN A COMPANY AND PROVIDE FACILITIES ACCORDINGLY

Rajeev Kr. Jha<sup>\*1</sup>, Ritik Srivastava<sup>\*2</sup>, P. Muthusamy<sup>\*3</sup>

\*1,2Students, School Of Computer Science And Engineering", Galgotias University

NCR, Delhi, 203201, India.

\*3Professor, School Of Computer Science And Engineering", Galgotias University NCR,

Delhi, 203201, India.

## ABSTRACT

Everything has been computerised in our age of ever-increasing technologies. The human workforce has grown as a result of the growing number of job opportunities. As a result, a system that can handle the data of such a vast number of people in a company is required. Because of its user-friendly design, this project makes maintaining records easier. The "EMPLOYEE EFFICIENCY" was created in order to overcome the issues that were in the practising manual system. This software is being supported in order to minimise and, in some circumstances, reduce the difficulties that this current system is experiencing. Furthermore, this system was created to meet the specific needs of the organisation in order to carry out operations in a smooth and efficient manner. The application is reduced as much as possible to avoid errors while entering invalid data . No formal knowledge needed for the user to use this system .Thus by this all it provides it is user-friendly. After successful authentication, this project will allow the administrator to add new employees. New departments and postings can also be created by the administrator. It can be allocate the Employees to different departments at different Posts.

**Keywords:** Administrator, Department, Data, Employee, Authentication.

## I. INTRODUCTION

Every organization, whether big or small, has human resources challenges to overcome. every organization has different employee management needs, therefore we design exclusive employee management system that are adapted to your managerial requirements. This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of human resources for your goals. Also, for those busy executive who are always on the go, our systems come with remote access features in employee management system is time tracking for employees. Effective time tracking mechanism saves both time and money for the organization.

## II. IMPLEMENTATION OF SECURITY MECHANISMS AT VARIOUS LEVELS

**Data security system :** The data security system allow data to be securely transmitted between the various components of the e-commerce portal. The includes transmission of product , merchant and customer information from the content management system to the website, and also the transmission of data from the website to the content management system.

**Folder security using .htaccess:** The .htaccess file in your site directory is a configuration file that allows you to override your web server's settings. You can enable/disable extra functionality and features to secure your site against spammers, hackers, and other threats with the right commands.

**Prevent Directory Browsing:** protecting directories from being listed is, at best, security by obscurity. That is, its hiding your stuff from view, preventing meddling visitors from browsing through your directories

## III. SYSTEM DESIGN

During this phase, a logical system is created that meets the specified requirements. The design phase of software development is concerned with converting a customer's needs into a logically functioning solution. In most cases, design is carried out in the following manner:

During this phase, a logical system is created that meets the specified requirements. The design phase of software development is concerned with converting a customer's needs into a logically functioning solution. In most cases, design is carried out in the following manner:



## International Research Journal of Modernization in Engineering Technology and Science (Peer-Reviewed, Open Access, Fully Refereed International Journal) Volume:04/Issue:04/April-2022 Impact Factor- 6.752 www.irjmets.com

1.) The initial design phase: The system is designed at the block level at this phase. The blocks are built on the foundation of the problem identification phase's analysis. Different blocks are constructed for various functions, with a focus on reducing information flow between them.

2.) Secondary design phase: In this step, each block is detailed.

Design various blocks for overall sytem processes.

- Create smaller, more manageable components for each block.
- Create a variety of database structures.
- Specify programme specifics to achieve desired functionality.

## IV. USER INTERFACE DESIGN

The dialogue between a user and a computer is the subject of User Interface Design. Everything from launching the system or signing in to the eventual presentation of required inputs and outputs is covered by it. A conversation is the overall flow of screens and communications.

Various guidelines for user interface design are outlined in the steps below:

1) The user of the system should always know what to do next.

2) The screen should be designed so that different sorts of information, instructions, and messages are all displayed in the same general region.

3) Messages, directions, and other information should be presented for long enough for the system user to read.

4) Only use display attributes when absolutely necessary.

5) Default values for user-enterable fields and answers should be provided.

6) A user should not be allowed to proceed without correcting an error.

### V. TESTING

Testing is the process of putting a system through its paces with manually generated data to see if it is performing as expected. The system is used experimentally during system testing to ensure that the software does not fail. In other words, it will function according to its specifications and in the manner that customers anticipate. Special test data is entered into the system for processing, and the findings are analysed. A small number of users may be permitted to use the system so that analysts can see if they attempt to utilise it in unexpected ways. It's preferable to find out about any surprises before the company uses the system and becomes reliant on it. Testing of a system is generally done in two phases – One is unit testing which is done for each module independently on its completion and the other is System Testing which is done at the end of a project.

### VI. VALIDATION CRITERIA

The validation criteria in this project are as follows:

In System also, the user inputs are validated before storing them, and then further for displaying etc. The main validations that are donel system are as follows-

All the screens have a similar look add feel. They all have almost same color combinations in its background. This provides a better user interface to the users.

1. The primary key values cannot be duplicated.

2. All the entries in any combo box have been sorted in alphabetical order. This helps a user while selecting a value from the combo box.

### VII. IMPLEMENTATION AND TESTING

#### Implementation

This phase of the systems development life cycle refines hardware and software specifications, sets programming plans, trains users, and executes comprehensive testing processes in order to evaluate design and operating specifications and/or give the basis for further modification.

**Technical design** - This activity adds detailed technical specifications and documentation to the specifications created during new system design.



# International Research Journal of Modernization in Engineering Technology and Science (Peer-Reviewed, Open Access, Fully Refereed International Journal)

Volume:04/Issue:04/April-2022 Impact Factor- 6.752

www.irjmets.com

**Test planning and specifications** — This activity creates precise test specifications for particular modules and programmes, task streams, subsystems, and the entire system.

**Programming and Testing** — This task entails the actual creation, writing, and testing of software units or modules.

**User Training** – This activity encompasses writing user procedure manuals, preparation of user training materials, conducting training programs, and testing procedures

#### SOFTWARE REQUIREMENTS

## VIII. REQUIREMENTS

The minimum software requirements needed for developing and implementing this application is as follows

Platform	:	Windows 11
User Interface Design	:	Html , jquery ,php ,css
Web Browser	:	Mozilla, Google Chrome
Language Used	:	Php5.6, Php7.x
Front End	:	Visual studio
Back End	:	MySQL 5.x
HARDWARE REQUIREM	MENTS	
Processor	-	Intel core i7
Speed	-	2 Ghz
RAM	-	512MB(min)
Hard Disk	-	40GB
FloppyDrive	-	10 MB
Key Board	-	Standard Windows Keyboard

# IX. DESIGN DIAGRAMS OF THE PROJECT

lediff.com: Online 📓 Important question 🎽 Study Material a	ind 🔓 www.google.co.in 😵 New Tab 🂠 Se	ttings W Earthquake - Wikip 💽 F	Rediffmail 🔇 gowebrachnasagar 📒 N	lew folder 🕅 Gmail 💶 YouTube 🛃 Maps
	Employee Reco	ord Managment Sy	vstem	
		Crea	ate an Account!	
		First Name	Last Name	
	-	Enter your Employee Code		
		Email Address		
		Password	Repeat Password	
			Register Account	
		Alread	dy have an account? Login!	



International Research Journal of Modernization in Engineering Technology and Science (Peer-Reviewed, Open Access, Fully Refereed International Journal)



www.irjmets.com

<sup>@</sup>International Research Journal of Modernization in Engineering, Technology and Science [2338]



International Research Journal of Modernization in Engineering Technology and Science (Peer-Reviewed, Open Access, Fully Refereed International Journal) Volume:04/Issue:04/April-2022 www.irimets.com **Impact Factor- 6.752** 

	fee nes A	S abconnection x	C S footer.php	× Sidebar.	hp 🗙 🔇 changepassw 🗙	S index.php X	Edit My Educe X	localhost / 12 × +	∨ - D ×
C O localhost/err	ms/editmyed	ducation.php						國 🖻 🕁	च 🖈 🗊 🗖 🔞 🕕
ff.com: Online 🚺 Importa	tant question	. 🍯 Study Material	and G waw.goi	ogle.co.in 🚷 New 1	ab 🏟 Settings 🛛 Earthquake -	Wikip 💽 Rediffmail 🛛	gowebrachnasagar.	🧾 New folder M Gmail 🖸	YouTube 🔀 Maps
ERMS									Test User
	Edit	: My Educa	ation						
					Your Education data has	been updated succes	sfully.		
	Course	e Post Graduatior	1		MBA				
	School	I/College Post Gr	ndustion						=
	Scribbe	College Post Gr	auuauon		galgotias university				
	Year of	f Passing Post Gr	aduation		2022				
	Percen	ntage in PG			70				
	Course	e Graduation			BCA				
	School	l/College Gradua	tion		DAV				
	Year of	f Passing Gradua	tion		2015				
	Percen	ntage in Graduatio	on		-				
P Type here to search oyees Details C O localhost/erm	x + hs/admin/alle	employees.php	D H C	<b>`</b>	o 🔒 () 💷 🤉	<b>i o</b> a <u>c</u>	3	් 36°C ^ වූ Æ එ ∎ ලි	2 (14) ENG 1028 30-04-2022 ₹2 > - □ >
Type here to search oyees Details     O localhost/erm c O localhost/erm com: Online O Importan ERMS ADMIN	n × + ns/admin/alle	employees.php	D HÌ C	rgiecain 😵 New T	ab 🔹 Settings <table-cell> Earthquake-</table-cell>	Wikip 💽 Rediffmail	3 9 gowebrachnasagar	<ul> <li>36°C ∧ 한 # ● ■</li> <li>12<sup>2</sup></li> <li> New folder M Gmail ●</li> </ul>	1028         1028           30.04-2022         ₹           2         -         2           2         -         2           30.04-2022         ₹         30.04-2022           2         -         -         2           30.04-2022         ₹         30.04-2022         ₹           30.04-2022         ★         -         -         >           2         .         .         .         .         .         .           30.04-2022         .
Type here to search     ryses Details     O localhost/erm     C O localhost/erm     ErmS ADMIN     board	× + ns/admin/all4 ant question	employees.php Not Study Material &	D ⊑ł € and G www.goo	rgjecojn 📀 New T	o i Settings W Earthqueke	Wikip (?). Redffmall	gowebrachnasagar	ු 36°C ∧ වී ළ ඁ ළ New folder M Gmail €	4(4)     ENG     1028 38:04-2022     ₩2       ✓     -     □     ×       Ý     □     ▲     □     ●       100/Lube          Magna      Admin
P Type here to search yees Details C O localhost/erm com: Online Importa ERMS ADMIN board nployees	x + ns/admin/allk ant question Emp S no.	employees.php Study Material a bloyees De Emp Code	D H C md_ G www.goo etails Emp First Name	sgle co.in 📀 New T	C R C C C C C C C C C C C C C C C C C C	Wikip C Redffmal	gowebrachnasagar Emp Joining Date	ن 36°C م تي بر ه ت لئ New folder M Ginal ه Action	4 (e)     ENG     1028       30:04-2022     ▼2       ✓     -     □       ★     □     ●       1     100/14b     €       NouTube     €     Maps
Type here to search yees Details C O localhost/erm am: Orline Importance C C C C C C C C C C C C C C C C C C C	x + ms/admin/all/ ant question Emp S no. 1	employees.php Suoy Material a Doloyees Da Emp Code 123465	D EI C md. G www.goo etails Emp First Name Subhash	Service Servic	Image: Settings     Image: Settings     Image: Settings     Image: Settings       Image: Settings     Image: Settings     Image:	Wikip (? Redffmal) Emp Contact no 1234567890	powebrackmasagaar     powebrackmasagaar     pate     2019-01-02	كَ كَ رَ مَ لَ اللَّهُ اللَّهُ اللَّهُ عَلَى اللَّهُ اللَّهُ اللَّهُ عَلَى اللَّهُ اللَّهُ اللَّهُ اللَّهُ اللَّ New folder M Genal      Action     Edit Profile Details   Edit Ele     Edit Experience Details   Edit Ele	4(1)       EVG       1028 30:04-2022       1028 30:04-2022         2       -       0       2         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100       100       100       100         100
C Type here to search yees Details C O localhost/erm arm: Orline I Importa CRMS ADMIN Count	x + ns/admin/all/ ant question Emp S no. 1 2	employees.php Suoy Material at Suoy Material at Emp Code 123465 123465558	D EI C md. G www.goo etails Emp First Name Subhash Anuj	xyleccan 🗞 New Y xyleccan 🗞 New Y Kumar Kumar	Image: Settings     Image: Settings     Image: Settings     Image: Settings       Image: Settings     Image: Settings     Image:	Image: Control of the second	Image: Second	36°C	at (a) ENG     1028 30.04-2022     1028 30.04-2022       v     -     0       v     0     0       v     <
C Type here to search yee Details C O localhost/erm om: Orline I Importa card card	x + ns/admin/all/ ant question	Employees.php           Story Meterial           Emp Code           123465           123467	D EI C md. G www.goo etails Emp First Name Subhash Anuj Ankush	Emp Last Name Pandey Pandey Pandey	Image: Settings     Image: Settings     Image: Settings     Image: Settings       Image: Settings     Image: Settings     Image:	Image: Control of the second	Image: Constraint of the second sec	36°C	4) ENG       1028 30.04-2022       1028 30.04-2022         >       -       0         (a) The second
C Type here to search yees Details C O localhost/erm and Orline I Importa cound cound	Emp S no. 1 2 3 4	Employees.php           StoryMeeter           Emp Code           1234655           123467           12346012	D Fi C md. C www.goo etails Emp First Name Subhash Anuj Ankush Sarita	Emp Last Name Pandey Pandey Pandey Pandey	Image: Settings     Image: Settings     Image: Settings     Image: Settings       Image: Settings     Image: Settings     Image:	Image: Contract no         Image:	<ul> <li>covertactmasagar</li> <li>covertactmasagar</li></ul>	36°C	a) Evo       1028 30.04-2022       1028 30.04-2022         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         ducation Details   elete       0         ducation Details   elete       0         ducation Details   elete       0
C Type here to search yees Details C O localhost/erm arm Crime I Importa cound cound	x x + x x + x + x + x + x + x + x + x + x + x + x + x + x + x + x + x +	Imployees php           Story Meeting L           Imployees php           Imployees php	D FI C md. G www.goo etails Emp First Name Subhash Anuj Ankush Sarita Manu	Emp Last Name  Emp Last Name  Pandey  Pandey  Pandey  Ramesh	Image: Constraint of the second se	Image: Content of the second	<ul> <li>govetrachnasagar</li> <li>Emp Joining Date</li> <li>2019-01-02</li> <li>2017-03-23</li> <li>2010-09-13</li> </ul>	36°C	a) Evo       1028 30.04-2022       1028 30.04-2022         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         ducation Details   elete       0         ducation Details         0         elete       0         ducation Details         0         elete       0         ducation Details         0         elete       0         ducation Details  <
C Type here to search yees Details C O localhost/erm arm Crime I Importa cound cound	x + x + x + x + x + x + x + x +		D Fi C md. C www.goo etails Emp First Name Subhash Anuj Anuj Sarita Sarita Manu Ragunath	Emp Last Name Emp Last Name Pandey Pandey Pandey Ramesh Shahye	Image: Section part of the section	Image: Content of the second	covetractmasagar	36°C	a) Exc       1028 30:04-2022       1028 30:04-2022         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         v       -       0         ducation Details   elete       0
O Type here to search yest Details C O Localhost/em com:Ortine. Import to and	x x + xs/stdminual art question.		Eli     C       Marcel     G     www.good       Etails     Emp First       Name       Subhash       Anuj       Ankush       Sarita       Manu       Ragunath       1345556		Image:	Image: Content of the second	Image: Constraint of the second sec	36°C	a(a) ENG       1028 30:04-2022       102         a(b) ENG       30:04-2022       102         a(c) ENG       a(c) ENG       a(c) ENG         a(c) ENG       b(c) ENG       a(c) ENG         a(c) ENG

#### Х. CONCLUSION

The main objective of this project regular updation of employee like salary, education details , attendance and according to them provide better facilities to the employee working in a company. In the existing there soo many challenges that need to be addressed and this has given rise to development of the system. They only take the record of a employee but in this system provide better oppurtunities to the employee according their behavior, kindness, attention towards the work.

#### XI. REFERENCES

- [1] Aina, L.O. & Ajifuruke, S. (2002). Research Methodologies in Information Science in Research in Information Sciences: An African Perspective. Gaborone. University of Botswana.
- [2] Akussah, H.(1996). Records Management in Ghana: An Overview. African Journal of Library. Archives and Information Science, 6(2): 101-106.



# International Research Journal of Modernization in Engineering Technology and Science (Peer-Reviewed, Open Access, Fully Refereed International Journal)

## Volume:04/Issue:04/April-2022 Impact Factor- 6.752

www.irjmets.com

- [3] Atherton, J. (1985). From Life Cycle to Continuum. Some Thoughts on the Records Management Archives Relationship. Archivaria, 21: 43-51.
- [4] Bearman, D. (1994). Electronic Evidence: Strategies for Managing Records in Contemporary Organisations Pittsburgh. Archives and Museum Informatics.
- [5] Sadhana J. Kamatkar, Amarapali Tayade, Amelec Viloria, and Ana Hernández-Chacín, "Application of Classification Technique of Data Mining for Employee Management System", Springer International Publishing AG, part of Springer Nature 2018.
- [6] Albert C., Hyde J. and M. Shafritz (1977). Introduction To Tomorrow's System For Managing Human Resources", Public Personnel Management. Academic Journal, Vol. 6 Issue 2, pp.70 77.
- [7] Griffin, A. & Hoyle, M. (2009). Managing Personnel Records in an Electronic Environment. International Records Management Trust, London, UK, pp. 1-2
- [8] Schraeder, M., & Jordan, M. Managing Performance: A practical perspective on employee performance. The Journal for Quality and Participation, 2011:4-10.
- [9] Ian Sommerville, "Software Engineering", 9th Edition, Addison-Wesley, 2011.