EFFICIENT AND SECURE ADMINISTRATION
CARBIDE MANUFACTURING INDUSTRY

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Abstract- We are presenting a savvy framework which will permits our client to follow every single
movement utilized for building the carbide material, implementing this framework will take web
technology as the innovation and data set proposed by customer. Our framework will be online which
will have distinctive client like super administrator, chief, and so on every one will have diverse client
id and secret key, our framework depends on QR code checking, where client will login to application
and output the QR code dependent on canister (Container which is client to convey the material) as our
framework will naturally change the situation with building the stage. The current status of specific
material will be displayed in plain view. The advantages will be simple following of current period of
material and the amount. We are additionally giving an element where super administrator will set the
consent for the sub clients what to alter and when to alter. Our aim is utilized to keep up with the
encryption and security of data. Our system will be electronic which will have assorted customer like
super overseer, boss etc. each one will have unmistakable customer id and mystery key, our structure
relies upon QR code separating, where customer will login to application and result the QR code subject
to holder as our structure will change the circumstance with building the stage. The current status of
explicit material will be shown on display.

Key Words: Qr code, Android app, website, Notification.

INTRODUCTION
We are introducing a smart system which will allows our user to track each and every activity used for building
the carbide material, implementing this system will take Web Technology and My SQL as the technology and
database suggested by client. Our system will be web based which will have different user like super admin,
manager, etc. each one will have different user id and password, our system is based on QR code scanning,
where user will login to application and scan the QR code based on bin (Container which is user to carry the
material) as our system will automatically change the status of building the phase. The current status of
specific material will be displayed in plain view. To manage the internal working flow of manufacturing
companies and record using phase level tracking and records for updating the information related to delivery
of products in the stimulated and committed time to customers

1. PURPOSE
Cloud computing is the on-demand availability of computer system resources, especially data storage and
computing power, without direct active management by the user. Large clouds often have functions
distributed over multiple locations, each location being a data center. Web technologies refers to the way
computers/devices communicate. with each other using mark up languages. It innovation It is communication
across the web, and create, deliver or manage web content using hypertext markup language (HTML).
EXISTING SYSTEM
The current situation of Hindustan Tungsten Carbide organization is very upset the fundamental issue they are confronting right presently is to oversee records. Not able to find the phase of particular material of client. Due to which the commitment to client goes fail.

DRAWBACKS OF EXISTING SYSTEM
- **Less User Friendly:** The existing system is not user friendly because the retrieval of day-to-day activities data/records is very slow and records are not maintained efficiently and effectively.
- **Complex for generating the report:** We require more calculations and efforts to generate the report so it is generated at the end of the session. And the student does not get a chance to improve their attendance.
- **Lengthy time:** Every work is done manually so we cannot generate report in the middle of the session or as per the requirement because it is very time consuming.

PROPOSED SYSTEM
- Centralized Management system.
- Manufacturing Industries
- Easy to use
- Proper management of work done in company with material tracking.
- Our main objective is to make system for client to help him manage his activity and maintain each and every record of client’s products in different stage
- Another objective is to maintain security of confidential data using AES Algorithm to avoid data loss situation and maintain stability to system.

SYSTEM ARCHITECTURE

ADVANTAGES
1. Innovative.
3. Centralised Database.
4. Easy to use.
5. Efficient cost.

APPLICATION:
1. Education.
2. Research.
3. Organizations.

![Fig.1: System Architecture Diagram](image-url)
DATA FLOW DIAGRAM

METHODOLOGY
The single problem can be solved by different solutions. This considers the performance parameters for each approach. Thus considers the efficiency issues:
1. Problem Solving Methods are concerned with efficient realization of functionality. This is an important characteristics of Problem Solving Methods and should be deal with it explicitly.
2. Problem Solving Methods achieve this efficiency by making assumptions about resources provided by their context (such as domain knowledge) and by assumptions about the precise definition of the task. It is important to make these assumptions explicit as it give the reason about Problem Solving Methods
3. The process of constructing Problem Solving Methods is assumption-based. During this process assumptions are added that facilitate efficient operationalization of the desired functionality

CLASS DIGRAM

5. CONCLUSION
As our project is real time based, and it’s a real-time problem, and this type of system is not build yet for particular company. So it’s a real time solver which has a features like it is affordable by everyone and it is user friendly. The limitation like complex structure, and low performance are overcome in this project. Hence we are provide a centralized management system with secure AES algorithm for our user to track carbide material production and phases. As our venture is constant based, and it’s a continuous issue, and this sort of framework isn’t fabricate yet for specific organization. So it’s an ongoing solver which has an elements like it is reasonable by everybody and it is easy to understand. The limit like complex design, and low execution are defeated in this undertaking. Subsequently we are furnish a unified administration framework with secure AES calculation for our client to follow carbide material creation and stages. As our endeavor is consistent based, and it’s a constant issue, and this kind of structure isn’t manufacture yet for explicit association. So it’s a continuous solver which has a components like it is sensible by everyone and it is
straightforward. The cutoff like complex plan, and low execution are crushed in this endeavor. Along these lines we are outfit a bound together organization structure with secure AES computation for our customer to follow carbide material creation and stages..

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\section{Summary} Hence We have used the above references for our study.