

GROUP 47

Outline:

01	Project Charter & Scope
02	Cost Modeling
03	Research
04	Benefits & Challenges
05	Project Timeline
06	Communication Plan
07	Quality Management
08	Risk Management

Project Charter & Scope

Description	Date
Identify Stakeholders	January 4, 2021
Functional Specification	January 12, 2021
Requirements Discovery	January 18, 2021
Design and Architecture	February 26, 2021
Development	May 12, 2021
System Integration Testing (SIT)	June 7, 2021
User Acceptance Testing (UAT)	June 28, 2021
Documentation & Training	August 10, 2021
Project Closure	August 17, 2021

Project Cost

- \$842,240 for Software Development
- \$90,424 for QA and Testing

Project Scope

· Develop an AI model to detect quality of coal ash

 Integrate AI model with Ecommerce platform to detect coal ash type and sell in bulk

Project Time

Project Start Date

Time

Scope

Cost

January 4, 2021

Project End Date

August 17, 2021

Cost Modelling

\$1,158,5Z	4 U
	\$1,158,52

Indirect Project Costs \$1,022,516

Reserves \$388,850

Cost Breakdown Development & QA WBS Level 3

Detailed Budget Table WBS Item / Category

Cost Baseline Cost Spread over Project Duration

Ash Development Association of Australia (ADAA), is responsible to conduct the research and management of the Coal-Ash resources.

According to the ABC new castle, "every year Australian coal-fired power stations produce 12 million tones of ash from burning coal & out of those ashes, Australia is only able to utilize 18% of it". The rest of the ashes get to dispose of in the ash ponds or environment.

Literature Review...

Research

Content Here

Due to gap between producers and consumers, tonnes of coal ash gets wasted every year, Despite of all the efforts made by Australian ash management.

Content Here

Also there is not even a single website, application or any platform available in order to resolve the issue.

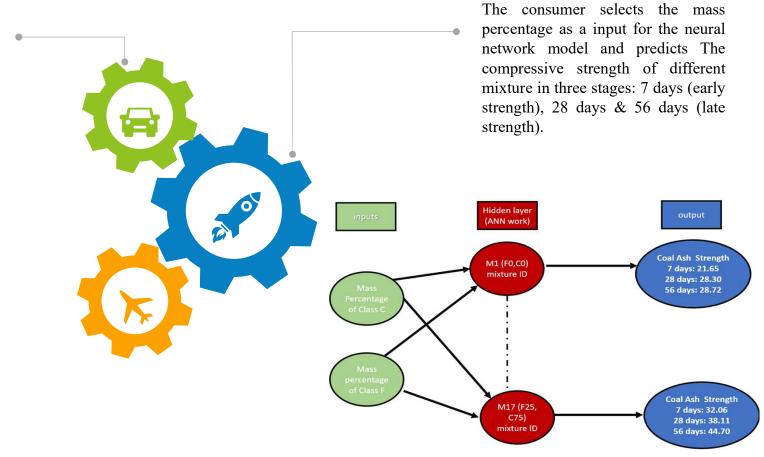
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Hence, To overcome the issue, we have created a website that will resolve the Coal-Ash utilization's problem by using an AI algorithm. Basically, we have created a platform where the consumer and the producer could meet up, and provide information regarding availability, strength, price and can initiate the business. We are going to create an online platform where the consumer can check the compressive strength of the Coal-ash and the kind of coal ash required.

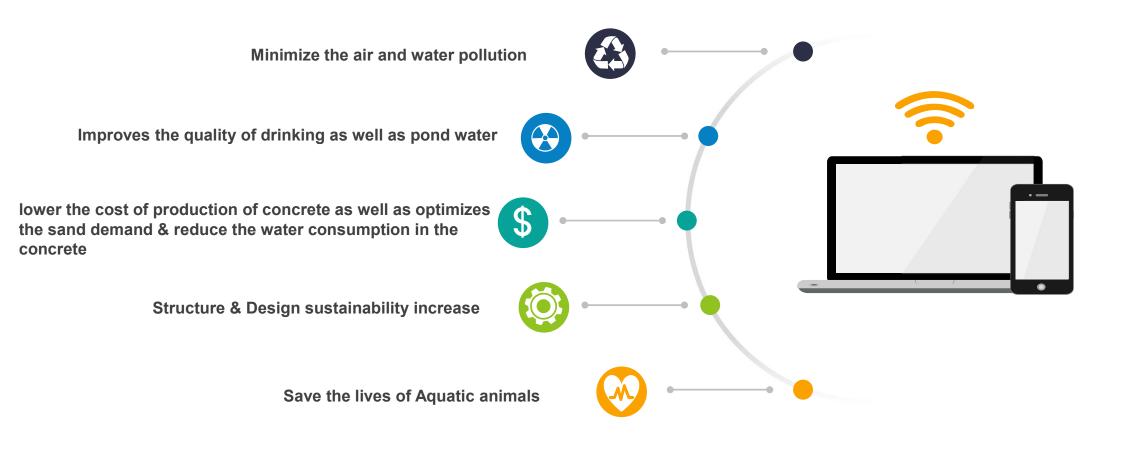


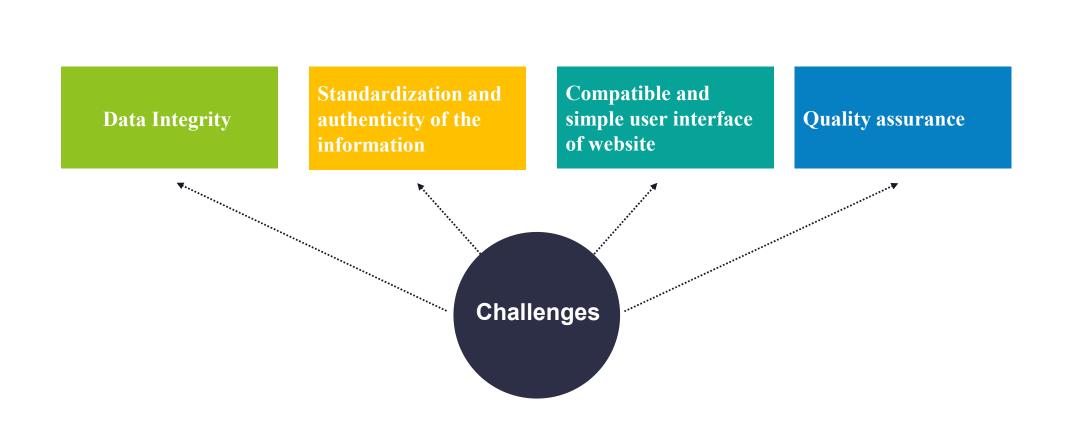
Working of Website

A mixture is created based on the different percentages of different classes of coal-ash and after that it is labeled with a unique mix ID.

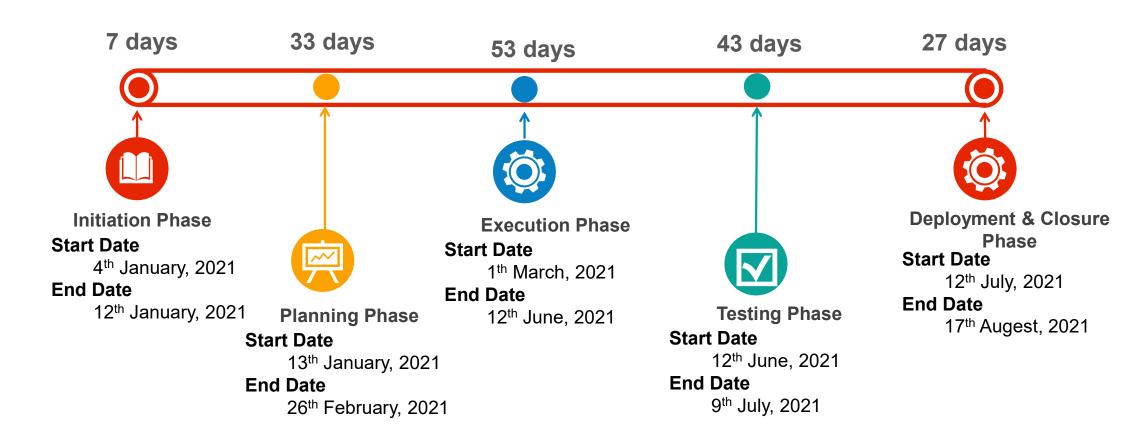


Benefits





Timeline of project

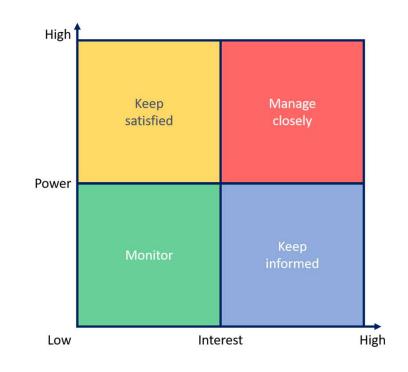


Stakeholder Register

Australian Building Codes
Board

Keep Satisfied

Environmental OrganizationsMonitor



Supplier & Buyer of coal ash

Mange Closely

Project Manager

Manage Closely

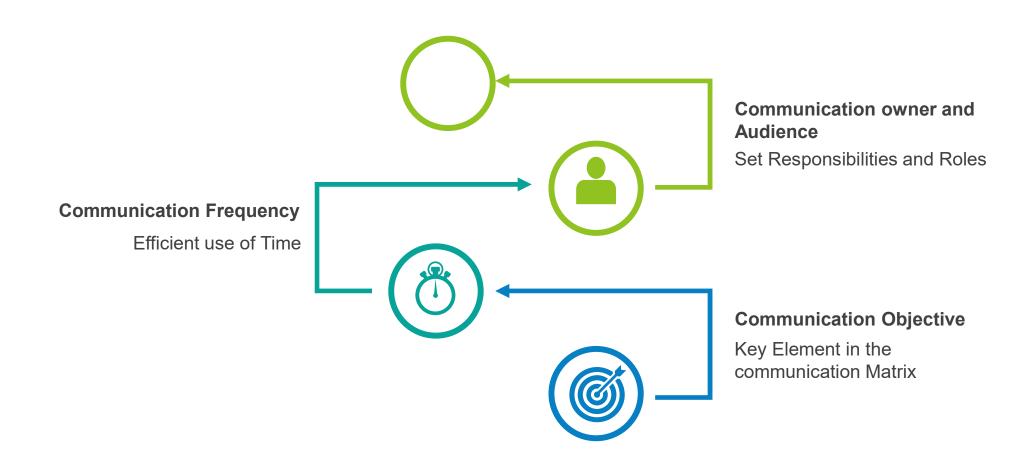
Development Lead

Keep Informed

Implementation manger

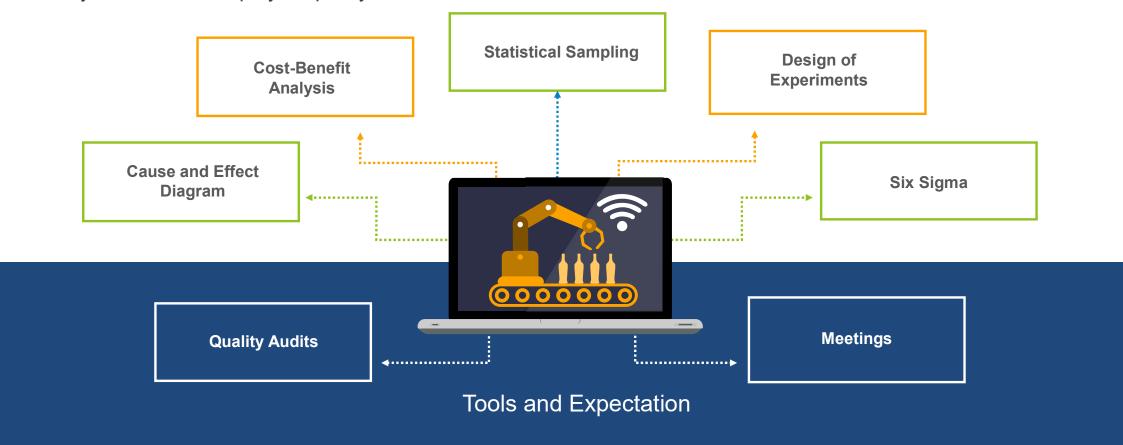
Keep Informed

Communication Matrix



QUALITY MANAGEMENT

Quality management will include quality planning and control practises, with the goal of enhancing the project's monitoring and control standards. Three project management constraints, which are time, expense, and scope, are closely correlated with project quality.



Quality Assessment of the project



Process analysis: analysis of systems reveals weaknesses in procedure improvements.



Check list: a checklist is a systematic system that typically involves an element to verify certain steps.



Audits: an audit is an autonomous, organized mechanism that decides whether project activities are compliant with organizational policies, processes and procedures



Problem solving: problem solving requires solutions to obstacles and issues.

Project quality standards







ISO / IEC 9216



Website deliverables

Website home page, search page and results, Profile page.



Website content deliverables

Recommendation system with algorithms for Coal ash



Web content management system

System to visually redesign the site for content authors and site managers





User account provisioning

Buyer will create a user account



Feedback and review systems

User recommendations and feedback forms/surveys.



Site provisioning

Network firewall settings and network loads

Risk Management

Objectives:

Discover underlying issues of the project

Avoid/reduce impacts from negative risks



Procedures

Identify potential risksrelated to the projectrisk breakdown structure

evaluate the possible impact of each risk impact level and probability of occurrence

specify the corresponding preventive and corrective controls.

Risk Breakdown Structure (level 2)

Risk Management

Risk Impact/Probability Matrix

	Impact			
Probability	Low	Medium	High	
Rare	3.3.3	2.3.1 2.3.2	3.1.1 3.1.2 3.3.2	
Normal		2.1.2 2.2.2 3.3.1	1.2.1 1.2.2 2.3.3 3.2.2	
Frequent		2.2.1	1.1.1 1.1.2 2.1.1	

