

Project Charter

Project Name

Innovation & Renovation : Modernising Our Home

Mantra

Nurturing Nature's Symphony : Transforming into an Eco-Friendly Paradise

Aim & Vision

The necessity for this project is driven by the goal to create a sustainable living environment that reduces our carbon footprint. Our vision of living in peace with nature and utilising environmentally beneficial practises does not align with the house's current status. We aim to transform our home into an eco-friendly utopia that encourages leading a greener lifestyle, makes use of environmentally friendly products and systems, and generates long-term cost savings through energy effectiveness.

Objectives

1. Achieving Energy Efficiency

- Attempt to achieve a minimum of 20% reduction in energy consumption relative to pre renovation levels as demonstrated by utility bills and energy monitoring systems. Implement energy-saving technologies and tactics.

2. Incorporate eco-friendly materials and sustainable practices

- Ensuring the construction materials used are certified as sustainable or eco-friendly by the quality assurance organisations !

3. Optimize Water Management

Reduce water usage by at least 40% compared to pre-renovation levels, as measured by water bills and monitoring systems, by implementing water-conservation strategies and deploying effective water management technologies.

Enhancing Comfort and Livability:

Create a warm, comfortable home that promotes the wellbeing of its occupants.

Scope Statement:

Within the scope:

This home improvement project's scope includes renovating and turning the existing home into a paradise for the environment. It includes the integration of sustainable materials, energy-efficient systems, and water-saving solutions.

The project focuses on the interior and exteriors of the house, excluding major structural changes. The scope encompasses landscaping efforts aimed at transforming the outdoor space, in creating a more environmentally friendly ambiance.

Deliverables:

1. Advance Automotive Energy-Efficient Systems:

- Install solar panels to harness renewable energy.
- Implementation of smart home automation systems for efficient energy usage
- To save energy, switch to more energy-efficient appliances and lighting fixtures.

2. Integration of Sustainable Environmental Materials:

- Making Use of eco-friendly building materials, promoting resource conservation and environmental sustainability.
- Installation of Sustainable Interior Finishes , incorporate sustainable flooring options

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3. Water-Saving Solutions:

- The utilisation of water-efficient fixtures and the integration of rainwater collection systems for watering landscapes.

4. Outdoor Landscape Transformation :

- Create an eco-friendly outdoor space by incorporating native plantings, which are well adapted to the local climate and require less water and maintenance.

- installing and Implementing water-efficient landscaping techniques to minimize water wastage, consumption and promote sustainability in outdoor areas.

5.Project Documentation and Reporting: -

Conducting regular follow-up and progress meetings to keep reports documenting key milestones, budget updates or any scope changes. And also using the documentation of implemented eco-friendly features.

Out of scope : -

Any substantial modifications that require significant changes to the building's footprint, such as major structural alterations or relocation, are outside the project's scope. -It does not incorporate any new building beyond the present property lines. -Renovations not related to the environment or the environment's friendliness.

Constraints / Limitation

1.Budget Constraints:

- To ensure financial viability, the project must be finished within the budget allotted .
- Implementing the cost management strategy will enable to maximise spending while staying within the budget.

2. Time Constraints :

Fixed Deadline -The project constraint is to meet the homeowners' desired timeframe for completing the renovation while aligning with their needs and expectations.

Supplier or Contractor Availability & Project Phasing : The project schedule is dependent on the availability of suppliers and contractors, taking into account busy times of year, specialised knowledge, and probable dependencies across project phases.

3.Quality Constraints :

High Quality Standards:

Ensuring top-notch quality is a key priority throughout the renovation process, with a strong emphasis on meeting and surpassing the highest standards of craftsmanship and durability in construction, materials, and finishes.

4. Effective Quality Measurement Tool :

- To ensure the desired level of quality is maintained , we need to promptly address any deviations or issues and resolve it , so effective quality control measures will be implemented to monitor and evaluate the project at various stages

Milestones & Deadline

Milestone	Date
1. Kickoff <ul style="list-style-type: none">- Conducting and establishing initial project planning , project goals, objectives, and timelines.- Determine the principal player I.e stockholders and their roles and responsibilities.	01/08/2023
2. Completion of Design Phase <ul style="list-style-type: none">- Finalise & Complete the design plans and get the required approvals.- Select sustainable eco friendly materials, furnitures , and finishes for the project.	15/08/2023
3. Start of Construction <ul style="list-style-type: none">-Begin Construction activities , structural modifications and installation of Softwares & Energy Efficient System Design like installation of solar panel , incorporate smart home automation Upgrade to energy-efficient appliances and lighting fixtures	20/08/2023
4. Sustainable Material Integration : - Completing the interior finishes like installation of sustainable flooring, cabinets, and other interior design. - Ensuring the use of recycle materials	05/09/2023

5. Water-Saving Solutions: - installing Install water-saving fixtures & implementation of rainwater harvesting systems for landscape irrigation.	10/09/2023
6.Eco-friendly Outdoor landscaping - Create an eco-friendly outdoor space to maintain the greenery & nature's harmony with native plantings, water-efficient landscaping, including permeable clay pavers, plastic grids, porous turf, and porous asphalt - Effective irrigation systems for the most effective use of water	20/09/2023
7. Quality Assurance & Testing : - Conduct quality inspections and checks to ensure adherence to high standards.	05/10/2023
8.Project Completion : - Finalising the finishing touches & all necessary other constructions - Obtain the necessary licences and local/state approvals	15/10/2023
9. Handover to the home-owner	20/10/2023

Project Cost :

1. Materials: \$25,000

- Sustainable eco friendly flooring, cabinets, and finishes: \$12,000
- Energy-efficient system software application and lighting fixtures: \$4,000
- Water-saving fixtures , solution and irrigation systems: \$3,000
- Landscaping materials and native plantings : \$6,000

2. Labor: \$20,000

- Construction, installation, and landscaping specialists and workers: \$15,000
- solar panel installation , smart home automation setup: \$5,000

3. Local or State Permits and administration Fees: \$3,000

- Building regional permits and Quality inspection fees: \$2,000
- Environmental certifications and assessments by the Quality Assessment Organisation : \$1,000

4. Equipment and Tools: \$2,000

- Tools and equipment needed for construction, installation, and landscaping purposes

5.fortuity : \$5,000

- Funding set aside for unforeseen events or alterations to the project's scope

6. Professional Civil Services: \$8,000

- Architectural and design fees: \$5,000
- Engineering services for structural modifications , Out-door landscape design (if applicable): \$3,000

7. Other Expenses: \$2,000

- - Charges for waste removal and recycling - Travel and logistics expenses

Total Projected Cost: \$65,000

Key Stakeholders , Level Of Influence & Cause:

Key Stakeholder	Level Of Influence	Cause
Homeowners	High	The homeowners hold significant decision-making power as they are directly affected by the home improvements and are the primary beneficiaries of the project. Their preferences, needs, and expectations carry great importance in shaping the project's direction and outcomes
Contractors and Suppliers	Medium	Contractors and suppliers play a crucial role in the successful delivery and execution of the project. Their expertise, quality of work, and adherence to project deadlines and specifications have a substantial impact on the overall outcome and success of the home improvement project.
Local Authorities & Quality Inspectors	Medium	Compliance with building codes, permits, and safety standards is regulated by local authorities and inspectors. The project's progress and success are greatly influenced by their approvals, inspections, and adherence to regulations
Project Manager (PM)	High	Key stakeholders are individuals or groups with vested interests in the project's outcomes, such as investors, customers, or decision-makers, who play a vital role in its success or failure.

Approval Signatures :

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Customer or Client

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Project Manager

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Project Sponsor

Stakeholder Analysis

Power Interest Grid



Stakeholder Register Components & Register Quality

Stakeholder name	Role	Power	Influence	Risk	Management Strategy	Communication Information
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Local Building Inspector	Ensuring Compliance & Maintaining Accurate Records of Building Code, Permits, and Violations.	High	moderate	low	Issuing Certificates for Construction/Occupancy if Plan Meets Standards. Prioritize Legal & Safety Requirements Before Construction.	Regular Updates on Ongoing Projects; Notify of Modifications for Building Regulation Compliance.
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Utility Company Executive	Providing essential utility services	High	moderate	low	Utility Company Executive: Driving Energy-Efficient Systems & Renewable Initiatives, Promoting Community Wellbeing & Sustainability .	Discussing energy saving related equipments, water saving solutions and seeking information on energy saving initiatives
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Homeowner association	They can enforce on community rules or regulations	High	High	moderate	seeking approval , collaboratig on sustainable eco friendly initiatives	Regular Project Progress Follow-ups & Meetings for Feedback on Community Initiatives.
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Chief Sustainability Officer (CSO)	Create , Develop and ,implements long-term sustainable eco friendly strategies	High	High	Moderate	Aligning Project with sustainability goals & objectives .	Updates on Project Progress, seeking guidance of them on sustainable practices
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Green Building certification officers	Issues quality certificate based on environmental performance	HIGH	HIGH	Low	Seeking advice of him about eco-friendly project certification review	Seeking guidance about sustainable design features
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Local Retail Store Owner	Operate Local Community retail business	Low	Low	Low	Local promotions of eco-friendly product	Project updates, potential collaborations, sustainability
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Local Environmental Advocate	Advocate for environmental causes and sustainability promotion	Low	Low	Low	Low	Frequent Project Updates, Seeking Input on Sustainable Practices, Encouraging Community Engagement in Environmental Initiatives.
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Resource Management

RESOURCE PLAN

Project Manager : David Patel

VERSION 2.0

01/01/2023

Template downloaded from stakeholdermap.com

DOCUMENT CONTROL

DOCUMENT INFORMATION

	Information
Document Id	Renovation_2790
Document Owner	Maher Ali Rusho
Issue Date	01/01/2023
Last Saved Date	03/03/2023
File Name	Renovation_2790_v1.docx

DOCUMENT HISTORY

Version	Issue Date	Changes
[1.0]	01/01/2023	Initial document
[2.0]	03/03/2023	Updated with signatures

DOCUMENT APPROVALS

Role	Name©	Signature	Date
Project Sponsor	Jenifer Thompson	Jenifer Thompson	1/1/2023
Project Manager©	David Patel	David Patel	1/1/2023
Procurement Manager	Alex Wilson	Alex Wilson	1/1/2023

RESOURCES ALLOCATED

Resource	Allocation and Source
Project Team (Full and Part Time Staff)	Jenifer Thompson , David Patel , Alex Wilson
Facilities	<p>Allocation Work Area , Storage Space , Water Supply , Transportation , Waste Disposal , Temporary Shelter Allocation</p> <p>Sources Home Improvement Stores , Hardware Shops & Online Suppliers , Equipment from reputable rental company</p>
Equipment	<p>Allocation 1.Power tools eg : cordless drill , circular saw or miter saw , Angle grinder 2.Hand tools eg : Hammer , Screw driver , Utility Knife, measuring tape , Chisels 3.Safety Equipment eg : safety goggles, Ear protection i.e earplugs ,Dust Musks, work gloves 4.Plumbing Equipment eg : Pipe Clutters , Pipe wrenches , 5. Others : Electrical Equipment , Demolition Tools , Cleaning Equipment</p> <p>Sources Renting expensive equipment from Equipment Rental Companies , Borrow Tool Libraries , Consulting with Specialty Suppliers , Construction Equipment dealers</p>
Supplies	<p>Allocation Paint & Painting Supplies such as interior & exterior paint , Primer , Paintbrushes, rollers, trays & liners Flooring Supplies such as flooring materials , flooring adhesive or mortar Carpentry , Plumbing & Electricity Supplies , Hardware & Fixtures , Adhesive & Sealants</p> <p>Sources For Renovation Supplies Contacting With Builder's Merchants , Finding Eco-friendly suppliers, Reuse Centers for recycled or second hand materials that are still in useable condition ,For wood related materials contacting Lamberyards and also seeking local building materials suppliers support</p>
Approval	<p>Allocation Local Building & Eco-friendly Quality Assurance Agency Permit</p> <p>Sources Contacting with the president of local building and For Eco-friendly Quality Assurance Agency permission contacting with the Greenery Certification Office</p>

Local Building & Eco-friendly Quality Assurance Agency Permit	---	Obtaining permits from the regional building and eco-friendly quality assurance agency ensures compliance with environmental standards, supports sustainability,	6 working days	1/10/23 - 1/17/23	Project Manager will gather all necessary documents and information required for project application
Location					
Corner Lot	—	Preparing the location to start the project	20 days	1/1/23 – 2/1/23	The house is located on a corner lot, offering ample space for potential expansions or landscaping enhancements
Material Storage Facilities	—	Designated storage or rented space for material storage and waste disposal	30 days	1/1/23 – 2/1/23	When not in use, store tools here and supplies safely.

References

- 1) **Creately (n.d.). Power Interest Grid for Stakeholder Analysis (Creately Templates). <https://creately.com/diagram/example/jripkdb22/power-interest-grid-for-stakeholder-analysis>**