

# Conceptual Framework: Input-Process-Output (IPO) Model

## Input

The input stage includes the current methods of accreditation monitoring, such as Gmail, Google Drive, and manual Excel updates. These tools often lead to fragmented data, inconsistencies, and delays. Additional inputs consist of manual documentation, lack of centralized access, and the identified needs and feature requirements of administrators, staff, and faculty.

## Process

The process stage highlights the transformation of these inputs into efficient workflows through the Website Dashboard. Key processes include the design of role-based access control for administrators and staff, integration with existing databases, real-time posting and updating of data, and the implementation of approval workflows. These processes ensure that information is verified, transparent, and reliable before dissemination.

## Output

The output stage results in a centralized Website Dashboard that resolves the inefficiencies of the current system. By consolidating accreditation data and streamlining workflows, the platform ensures transparency, accountability, and efficiency. With role-based access and real-time updates, administrators and staff can publish, view, and approve records more effectively, improving collaboration and supporting informed decision-making within the university.

| Input   | Process  | Output   |
|---|--|--|
| <ul style="list-style-type: none"><li>• Current process of monitoring accreditation (Gmail, Google Drive, Excel)</li><li>• Manual updates and documentation</li><li>• Lack of centralized data access</li><li>• User needs and feature requirements</li></ul> | <ul style="list-style-type: none"><li>• Design of role-based access control (admin, staff)</li><li>• Integration with existing databases</li><li>• Real-time data posting and updates</li><li>• Implementation of approval workflows</li></ul> | <ul style="list-style-type: none"><li>• Centralized Website Dashboard</li><li>• Streamlined workflows</li><li>• Transparency and accountability</li><li>• Improved collaboration and decision-making</li></ul> |