

Overview:

The Uttar Pradesh Diversified Agriculture Support Project (UPDASP) aims to enhance agricultural productivity and sustainability in Uttar Pradesh, India. A key aspect of this initiative is the effective use of digital platforms, including the UPDASP website and the Direct Benefit Transfer (DBT) portal. These platforms are crucial for disseminating information, managing resources, and ensuring transparency in agricultural support services.

Challenges:

Challenges for the execution of successful Maintenance of UPDASP Website & DBT Portal, Lucknow, Uttar Pradesh :

- Managing and updating vast amounts of agricultural data, beneficiary information, and transaction records was cumbersome and prone to errors.
- Many farmers and stakeholders found it challenging to navigate the website and portal, leading to underutilization of available resources.
- Lack of adequate training and support for users and administrators hindered the effective use of these digital platforms.

Technologies:

MS.NET, ASP.NET, MS-SQL Server, Angular JS, SMS & Payment Gateway, API's, NIC Cloud Storage etc.

Benefits Achieved:

- Improved Performance and Reliability
- Enhanced Security.
- Efficient Data Management
- Increased User Engagement
- Timely Benefit Transfers (DBT)
- Empowered Users
- Implementation of advanced security measures protected sensitive data from breaches and cyber threats.
- Automated data updates and backups.
- Data accuracy and availability
- The website and DBT portal experienced significantly reduced downtimes and faster load times, enhancing user satisfaction.

Requirements of the project:

- Migrated to a more robust database management system to handle large volumes of data efficiently.
- Developed automated scripts for regular data updates and backups to minimize errors and data loss.
- Implement advanced security measures, including SSL certificates, regular security audits, and vulnerability assessments.

Approach:

Approach for the execution of successful Maintenance of UPDASP Website & DBT Portal, Lucknow, Uttar Pradesh:

The solution involved developing a web - based application (as advised).

- Clear communication with Department Officers & working users.
- Server Optimization.
- Database Optimization
- Comprehensive training sessions
- On-going support maintenance.

