



Monitoring Dashboard for Rural Road Program

Introduction

Government of Punjab has launched "Rural Road Program" which is the **biggest project** of widening, repair, rehabilitation and construction of rural roads in the history of Punjab. An **online dashboard** for overviewing real time physical and financial progress has been developed and implemented in coordination with the Urban Unit. All roads have been **mapped on GIS** and the status is uploaded through android application by the monitors and supervisors of the departments, resident engineers and third party validators. The Dashboard provides information at Provincial, Divisional, District and Constituency level.



Client

Communication & Works Department,
Government of Punjab



Objectives

- Evidence-based monitoring of progress of infrastructure development schemes to realize the Sustainable Development Goals
- Real-time Management of financial portfolio of the entire program that includes approval of schemes, distribution with utilization of funds released, procurement status and physical progress
- Strategic level support by incorporating rich Decision Support System to ensure transparency, better control and accountability



THE URBAN UNIT
Urban Sector Planning & Management Services Unit (Pvt.) Ltd.
A Public Sector Company.

Eyris Pakistan



Targets of Data Collection

Total Roads:	725
Total Allocation (in Billion PKR)	67
Total Phases	4
Total Road Length	6,676
Total Reports received from Field	1,45,766
Total Quality Test received from Field	92,115



Technology/Tools In Data Collection

- Database Systems
- Android
- GPS Technologies
- Web Mapping Server
- Data Analytics Visualization Tools
- Enterprise Web Applications



Challenges faced

- Limited support from field formations
- Coordination related issues due to geographical spread
- Volume of the data (Entire Punjab)



Way Forward

The same dashboard could be used for **monitoring of all road development projects/initiatives** in C&W department. The same system can be extended for monitoring of **roads development schemes** in other provinces.

