



Open Source GIS Case Studies

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- A Desktop application developed as Quantum GIS plugin
- Small-scale precision agriculture initiative
- Implemented for a Coconut farm with nearly 6500 trees, spanning around 4 sq. km in area



Quantum GIS



QT⁴



PostgreSQL



GNU C++



Linux



Windows



- **A Web Mapping Application**

- **Crop yield analysis**

- **Statistics**
- **Progress, forecasting**

- **Apache**

- **OpenLayers**

- **PERL**

- **PostgreSQL**

- **UMN MapServer**

- **JavaScript**

- **PostGIS**

- **AJAX**



Linux



Windows



- **A Web Mapping Application for IIT Madras**
- **View and query various geographic features online**
 - Buildings, Play Grounds
 - Roads, Bus stops etc.



- | | | | |
|-----------------|--------------|-----------------|--------------|
| ■ Apache | ■ OpenLayers | ■ PHP | ■ PostgreSQL |
| ■ UMN MapServer | ■ JavaScript | ■ PHP MapScript | ■ PostGIS |
| | ■ AJAX | | |



Linux



Windows



- **A Web Mapping Application for India Post**
- **Search Nearest Post Office(s) by**
 - Location, radius
 - Services available



- | | | | |
|-----------------|--------------|-----------------|--------------|
| ■ Apache | ■ OpenLayers | ■ PHP | ■ PostgreSQL |
| ■ UMN MapServer | ■ JavaScript | ■ PHP MapScript | ■ PostGIS |
| | ■ AJAX | | |



Linux



Windows



Thank You!



Inspired To Innovate

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