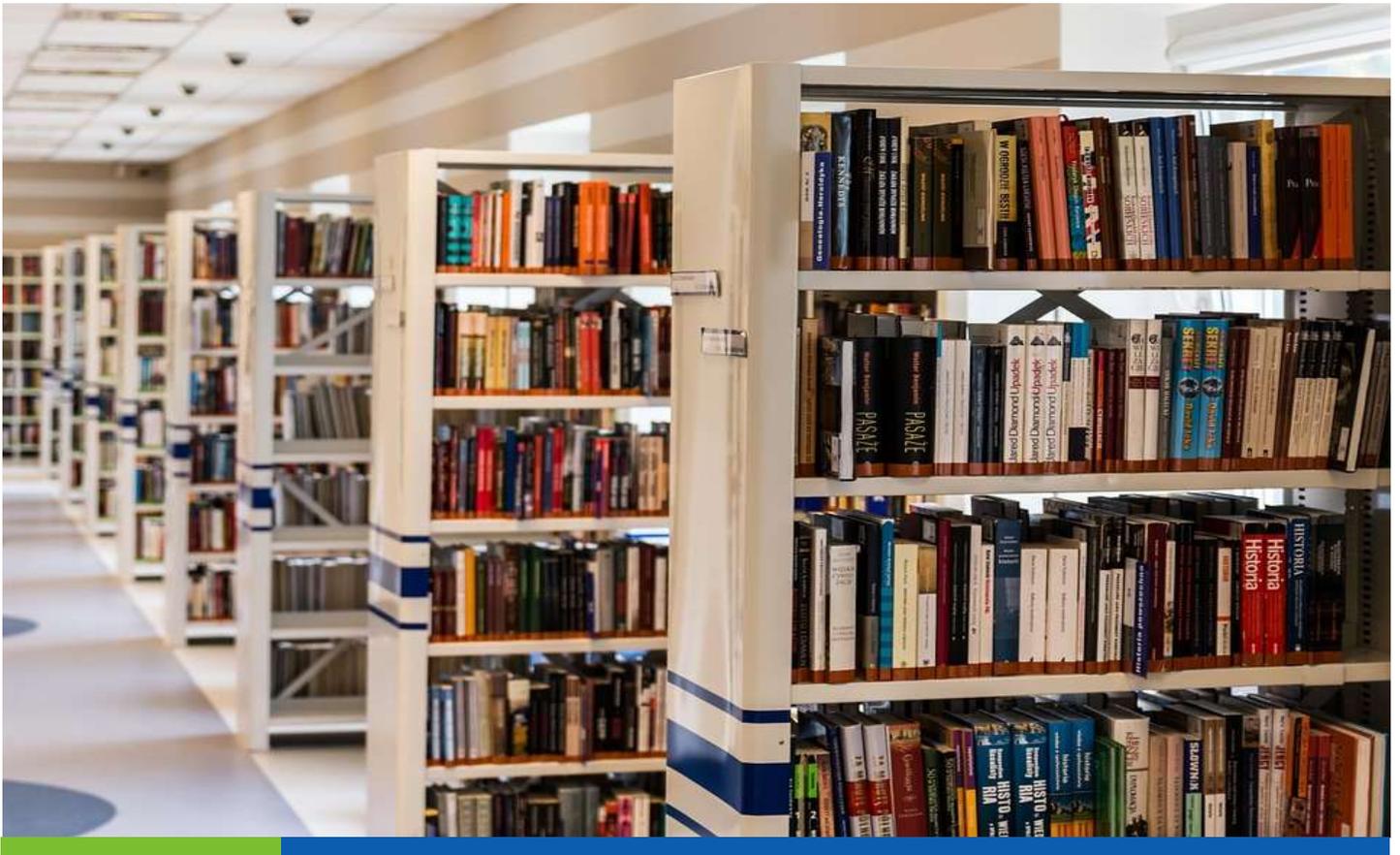




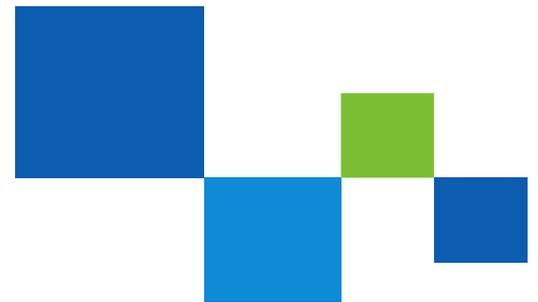
# Customized Operational Reports using Jaspersoft

BizAcuity



## About the Client

The Client is a large group of schools with about 83 schools in the network, based out of Parramatta, Australia. The group of schools have been into operation since before World War II and has a legacy of more than 80 years behind them.



## Summary

Client wanted to have a Reporting System which should be powerful enough to track every aspect of the Teachers and Students Performance, Activities, Time tables, Health and Medical Conditions, Medication Track, Progress Reports, hall tickets etc. This means, all the 83 schools will share a common reports with which the Data shall be filtered out based on the School member login.

## The Challenge

- ✓ Integrating highly complex report that showcases various aspects of Information of different schools
- ✓ High complex queries required as schools should be able to play with Multiple filters (often 15-20 filters per report)
- ✓ Should be Print Friendly and the layout should be as per given standards.
- ✓ Database provided is highly Normalized set which required highly efficient queries to handle multiple joins and conditions.

## The Approach

- ✓ Queries with HTML tags embedded – To achieve the performance and the design layout as per standards, a unique way of Handling reports with the Design integrated within SQL queries in the form of HTML tags have been utilized to overcome many challenges.
- ✓ Complex Date conditions have been provided in the filter expressions to handle the Date Selections (like Previous day, Previous month, last fortnight etc.)
- ✓ Dynamic queries has been used in such a way to query the database depending on the filter values.
- ✓ Highly efficient design architecture and planning of the reports have been implemented to achieve high complex designs of the reports as per the Print standards given by the client.
- ✓ The CSV export of a report has been a limitation, thus we provided a custom solution to retrieve the raw data from the report interface.

## Result

- ✓ Staff Efficiency increased by 90%, by rapid decrease in manual work of Teachers/Admins
- ✓ A set of 50 Crucial Reports helped the Schools management to manage End to End Operations of 83 schools.



Do you want to empower your decision makers?

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