

Informatics Institute of Technology

In Collaboration with

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“United RI”

An advanced smart school management system for
Royal institute international school

A dissertation By

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Abstract

Nowadays in Sri Lanka, schools are continued to grow in numbers. Everyday schools are facing many challenges due to the complexity of managing many facilities. Thereby the importance of managing the school by increasing the interaction and collaboration between the stakeholders of the school is growing high. Since there are many software support the school managerial activities there are many un resolved problems left over. In order analyses the existing issues Royal institute international school was selected as it has managing five branched located in different areas. The problems identified in Royal institute international school is very crucial and impacts heavily in their day to day operations. These bundles of problems are divided and grouped into five different key factors. After identified these problems an initial research was conducted to see whether there is an existing solution that can satisfied these issues identified. But the results show the existing solutions for school management are focused on many areas with luxury facilities but could not fulfilling the identified need of Royal institute international school. Therefore, research has focused on in-depth analysis through an industrial survey and thereafter the identified problems are well defined and also the requirements are become straight forward. This helps to continue with design and implement the IT solution “United RI” for the need of Royal institute international school. The business solution of “United RI” supports the school to achieves it’s goal to become the most outstanding international school in Sri Lanka by managing the school operations and the stakeholders.

Keywords: Education industry, School, School Management, Accuracy, Speed, Accessibility, Transparency, Equity, Royal institute international school.