

Academic Laboratory Website Development

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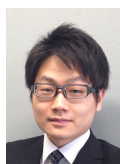
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Abstract— The Internet is an important source to get information about everything in human lives. Developing websites is one of the best ways to give information to people. Nowadays, there is a rapidly growing number of websites for many purposes. The websites of university laboratories are the examples. Usually university laboratories have websites to provide information to students, laboratory members, visitors, etc. Our research goal is to investigate a methodology of the high quality development of an academic laboratory website by a small number of developers in a short period of time. In this paper, we discuss approaches, methods, and technologies used in this development. We illustrate utilized methods by samples of the code. Key findings in this research include bilingual support without reloading pages, multi-device support and a technique of the second server usage to avoid restrictions for the official web server. Our findings were used to develop a new website of the software engineering laboratory of the University of Aizu. Our created from scratch website within two months would attract visitors.

Keywords— Website Development, Responsive Web Design



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