

INCREMENTAL MODEL TO DEVELOP A WEB-BASED APPLICATION FOR DRIVING COURSE PROVIDERS

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ABSTRACT

The rising number of four-wheeled vehicle owners has prompted authorities, including the Department of Transportation and the National Police of the Republic of Indonesia, to encourage new drivers to attend driving courses before operating a vehicle. In Surabaya, the number of driving course providers has grown to several hundred. The increase in new drivers and heightened competition among service providers underscores the need for an information system to address emerging challenges. This research focuses on developing an application through software engineering to support all parties involved in the driving course process, including students, instructors, and course administrators or owners. The software development process follows the Incremental Model, which allows the development team to address the specific needs of each user group effectively. The iterative nature of the Incremental Model ensures the creation of a high-quality application designed to overcome the challenges faced by stakeholders within the driving course ecosystem.

Keywords: driving course, information system, software engineering, incremental model

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