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**Development of the intelligent transport system**

**"Commercial Transport Management"**

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***Abstract.*** This article is concerned with the development of the intelligent transport system "Commercial Transport Management", similar functioning systems are analyzed, the shortcomings of which were also identified and analyzed so that they can be taken into account and corrected in the system under consideration.

***Keywords****:* web development, Vue.js, Vuetify, Leaflet, Leaflet Routing Machine, vehicle monitoring, route building, framework, JavaScript, ApexCharts, user interface, interactive dashboards

**REFERENCES**

1. Engelbrecht J., Boysen M., van Rooyen G., Brewer F. Survey of smartphone‐based sensing in vehicles for intelligent transportation system applications. *IET Intelligent Transport Systems*. 2015. Vol. 1. No. 9. Pp. 924–935.
2. Lei K., Ma Y., Tan Z. Performance Comparison and Evaluation of Web Development Technologies in PHP, Python and Node.js. *IEEE 17th International Conference on Computational Science and Engineering*. 2014. Vol. 1. No. 1. Pp. 32–35.
3. Tenzin S., Lhamo T., Dorji T. Design and Development of E-commerce: Web-application for Cooperative Store. *International Research Journal of Engineering and Technology (IRJET).* 2022. Vol. 9. No. 2. Pp. 843–847.
4. Goldsteen A., Kveler K., Domany T., Gokhman I., Rozenberg B., Farkash A. Application-Screen Masking: A Hybrid Approach. *IEEE Software.* 2015. Vol. 32. No. 4. Pp. 40–45.

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