

## Development of online fuel consumption cost calculator

*Ahmad Noraziah<sup>a</sup>; A. S. Ahmad Solihin<sup>a</sup>; Tutut Herawan<sup>a</sup>; Roslina Mohd Sidek<sup>a</sup>; Eyas El-Qawasmeh<sup>b</sup>; Ezendu Ariwa<sup>c</sup>*

<sup>a</sup>Faculty of Computer Systems & Software Engineering University Malaysia Pahang Malaysia

<sup>b</sup>King Saud University Saudi Arabia

<sup>c</sup>London Metropolitan University United Kingdom

### ABSTRACT

Recently, fuel price becomes as hot topic and never ending issue especially the demand of fuel is very high. Malaysia Government has stood up in helping citizens by giving certain amount of money per vehicle owner to reduce their burden. However, the solution of reducing the total amount of fuel cost and consumption seems to be more helpful if the citizens can plan their fuel expenditure efficiently without unnecessary spend. Therefore, new software namely Online Fuel Consumption Cost Calculator (OFCCC) has been developed to help user plan and calculates the total amount of fuel cost for a car to travel based on the distance given, driving speed, weight capacity and current market fuel price cost. This software has been developed by using Microsoft Web Expression 2 and SQL Server database system. The result shows that the users can obtain a minimum cost towards the desired destination by using OFCCC.

### KEYWORDS:

OFCCC; database; software; fuel

## REFERENCES

1. Malaysia Petrol Since (1990), <http://www.motorcar-malaysia.com/2007/11/malaysia-fuel-price-since-1990.html> (retrieved on February 23, 2011)
2. Malaysia Petrol & Diesel Price Chart since (1990), <http://casualzone.blogspot.com/2008/12/malaysia-petrol-price-chart-in-2008.html> (retrieved on February 25, 2011)
3. Daniel, L.: Metrics for Evaluating the Quality of Entity Relationship Models. In: Ling, T.-W., Ram, S., Li Lee, M. (eds.) ER 1998. LNCS, vol. 1507, pp. 211–225. Springer, Heidelberg (1998)
4. Connolly, T.M., Begg, C.E.: Database System A Practical Approach to Design, Implementation and Management, 5th edn. International Computer Science Series. Addison Wesley, London (2010)
5. Slater, D.: Consumer Culture and Modernity, 6th edn. Polity Press, Cambridge. ISBN: 0745603033 9780745603032