

## NORAZAK SENU

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#### EXPERTISE

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Assoc. Prof. Dr. Norazak Senu research areas include Numerical Analysis and Web Based Learning and Teaching System. He is also an associate researcher of Institute for Mathematical Research (INSPEM). He has also been active in research and successfully completed several research projects under ScienceFund (Ministry of Science and Innovation of Malaysia (MOSTI), Research University Grant Scheme (RUGS) and Fundamental Research Grant Scheme (FRGS).

#### Current Research Interest

- **Solution of Ordinary Differential Equations(ODEs)**

Dr. Norazak's research is in the general area of numerical analysis; her specialties include the numerical solution of ordinary differential equations, focusing on first order and higher order ordinary differential equations in which the solutions are in the oscillatory functions: The methods are includes Runge-Kutta methods, Runge-Kutta-Nystrom methods, Runge-Kutta type methods for solving high order ODEs, block method, and parallel computing using MPI for solving large scale problem.

- **Web Based Learning and Teaching System**

The research is focusing on developing very interactive, attractive and user friendly mathematics software based on wab based and stand alone basis. With this system students or users can access or use the material of learning and teaching system at anywhere and anytime. User interface embedded in the website with the numerical and graphical output illustration are criteria of the software. The software developed is called Numerical Computations Laboratory (NCL).

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#### LINK TO POSTGRADUATE FIELD OF STUDY:

Numerical Analysis, Computational Mathematics

#### ADDITIONAL INFORMATION:

- <http://profile.upm.edu.my/norazak/en/profail.html>
- <https://scholar.google.com/citations?user=KzMsloEAAAAJ&hl=en>
- [https://www.researchgate.net/profile/Norazak\\_Senu/publications](https://www.researchgate.net/profile/Norazak_Senu/publications)