**Fiscal Sustainability: Public Revenue-Expenditure Nexus in a Few Asymmetric Countries in the Globe**

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**Abstract**

The paper investigates the public revenue and expenditure patterns and its nexus of a few countries. This paper employs panel unit root, panel cointegration and vector error correction model (VECM) to examine the inter-temporal relationship among the variables of government revenues income, revenue expenditures and GDP with panel data of ten divergent countries over the period 2001 to 2017. The study employed three cointegration tests and these estimates find the evidence of long run association among articulated three variables. To know the cross section status of different countries this paper diverted Phillips-Peron test with bandwidth statistics and it asserted that, all ten countries secured the long run relationship among the variables. The study uncovered that, GDP growth has escalated in 0.78% by one percentage increase in revenue expenditure; meanwhile, 1.41% lessening in GDP growth by one percentage increase in revenue income. The specified model supported by a few diagnostic tests.

**Keywords:** government revenues; government expenditures; GDP growth; panel unit root; panel cointegration; fiscal synchronization hypothesis.

***Author’s Biography***

**[Dr. Aoulad Hosen**

*Dr. Aoulad Hosen* is an Associate Professor in Economics under the Academic Committee of Social Science (ACSS) at the National University of Bangladesh. Presently, he has been serving as a Chair Person of ACSS since 2014. Here, the on-campus Program of National University, ACSS has been conducting MPhil/PhD and Higher Master academic Program. In the sphere of education, he awarded PhD degree in 2011 from National University, Bangladesh and obtained all through first class/division from Secondary School Certificate to Master of Science in Economics Degrees. *Dr. Hosen* has accomplished Bachelor with Honours Degree in Economics and Master Degree from Jahangirnagar University, Dhaka alongside stood first class 6th and 4th positions respectively. Through the position of Research Fellow, he had one year research experience under the Program for Research on Poverty Alleviation (PRPA) in Grameen Trust, Grameen Bank, Dhaka. Including his *twenty-four* years teaching and research experience, he had served the Chair on the Department of Economics, Dhaka Commerce College, Dhaka since 2005 and at this Institution he performed in the teaching position of Lecturer and Assistant Professor in Economics under Department of Economics. Throughout the period of experiences, he has been contributing a few International and National Journals. Currently, the he has nominated and functioning as the member of Editorial Board in ***Journal of Economic Science and Research*** (JESR), Singapore, <https://ojs.bilpublishing.com/index.php/jesr/about/editorialTeam>

*Dr. Hosen* has been supervising a few MPhil and PhD fellow students in the Discipline of Economics under the MPhil/PhD Program of National University Bangladesh.]

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