1116-VC-654　　　　**Ayush L Joshi*** (`ayush.lal.joshi@gmail.com`), **Gokul R Kadel** and **Narayan Thapa**, Cameron University, Lawton, Oklahoma. *Comparison of Numerical Solutions of Black-Scholes Option Pricing Model.*

Minimizing financial risk is a prime concern among individuals and business in a rapidly changing and the fastest growing areas in the corporate business world. Thus, mathematical models are essential to implement and price financial instruments. In this interdisciplinary project, we apply a number of numerical techniques to Black-Scholes Option Pricing Model to predict price of option over time. In addition to this, we investigate on (1) Accuracy of methods in estimating price of options over time; (2) Reliability and consistency of methods in estimating price of options over time; and (3) Stability and overall cost effectiveness of methods in estimating price of options over time. (Received September 10, 2015)