



Sudan University of Science and Technology



College of Science

Physics Department

**A project submitted as to complete the requirements of B.Sc. (honors) degree
in Physics Science.**

Space weather impact: national power grid instability

Submitted By:

- **Muhammad Ibrahim Frieha**
- **Kalamat Ahmed MohammedElhassan**
- **Kholoud Khalid Abbas**

Supervisor:

Dr. Magdi Elfadil Yousif Soliman

September, 2016