Niranjan S H B.E(E&E), M tech(Power systems)

Assistant Professor
Department of E & E
BIET, Davangere-577004
Email: niranjansh.hittalamani@gmail.com
Mobile:-9071963019

Areas of interest:

Power system stability and control , grid stability

Educational Qualification:

- M.Tech [Power Systems Engineering] from SDM college of engineering and technology,Dharwad 2018 with Distinction.
- B.E [E & E] from PESITM, Shivamogga, VTU, 2015 with First Class

Work Experience: 2 Years

- Working as a Assistant Professor in E&E Department of BIET, Davangere from 17.08.2018

Roles and Responsibilities:

- Website coordinator
- Department Newsletter coordinator

Subjects taught:

- Transmission and Distribution
- Electrical and Electronic Measurements
- Basic Electrical engineering
- Renewable Energy Resources

Publications:

- Presented a Paper in National conference entitled **"Adaptive Power system for managing large dynamic loads"** in SDMCET, Dharwad
- **"Intelligent Eye ball controlled wheel chair for paralyzed patients using Arduino"** International journal of engineering science and computing Volume 10 issue no 6, june 2020
- **"Simulation and performance analysis of solar PV Wind Hybrid Energy system" in** International journal of advanced research in Electrical, electronics and instrumentation engineering
- **" Adaptive Power system for managing large dynamic loads"** in IJIRSET

Seminars and workshops attended:

- 3 days National workshop on "**prominence of photovoltaic(pv) systems in green energy development**" organized by center for industry institute interface 2018
- 3 days national workshop on "**Artificial intelligence applications to power systems**" organized by SDMCET Dharwad

Mtech project:

Project Title: "Adaptive Power System for Managing Large Dynamic Loads".

Overview:

The Navy's future and near-term high-energy sensors and energy weapons will consume a large portion of the resources of the intended ship platform. Many of these new systems will have extreme dynamic power profiles, including both periodic and aperiodic characteristics. These dynamics can cause sudden changes in power at the prime power system that can be stressing to platform systems, both to the generators and prime movers as well as other loads sharing the common distribution bus. Adaptive power system (APS) to mitigate the negative impacts levied on the platforms resulting from large dynamic loads. A notional size of the hardware required to implement the APS design is presented along with simulation results verifying the concept.