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| SUDIP NAIR ANDAYIL | | |
| Andayil House, East Peruvemba P.O, Palakkad, Kerala-678531, +919744703511, [nairsudip@live.com](mailto:nairsudip@live.com)  LinkedIn: http://in.linkedin.com/in/sudipna/ | | |
| Summary | * Electrical Engineering student aiming to excel in the field of power and energy * Strong technical knowledge in the field of power networks * Skilled at learning new concepts quickly, working well under pressure, and communicating ideas clearly and effectively | |
| Education | M.Sc Degree in Electrical Power Systems  University of Bath, Bath, UK Result: 2.2  **Project**: Application of Power systems using flywheel energy storage. A model based on flywheel energy storage system to regulate the fluctuating frequency in power grids during system imbalance with the help of Flywheel energy storage and other ancillary services.  **Relevant courses**: Power system protection, control of power systems, Energy management studies, Electrical energy systems and analysis, power system plant, project management. | **2014** |
|  | B.E. Degree in Electrical and Electronics V.M.K.V Engineering College, Salem, TN, India Result:70%  **Project:** PIR sensor based obstacle detection and warning system in Railways. A model designed for detecting obstacles in tracks beforehand to avoid accidents. A warning system in unmanned railway tracks to warn people that a train is coming.  **Relevant courses**: Circuit Theory, Power Electronics, Electrical Machines, Electronics circuits, Transmission and Distribution, Power system analysis, Microprocessors and microcontrollers, Digital electronics, High voltage. | **2012** |
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| Career History & Accomplishments | | |
|  | Trainee Engineer, Central Power Research Institute (Govt of India), Bangalore, India.   * Completed protection studies for a client's power plant (part of nuclear power generation) using MiPower simulation software * Conducted load flow studies using MiPower * After matching loads, conducted short circuit calculations in MiPower to determine the maximum fault levels of the plant * Designed a test to determine relay response times * Conducted relay coordination * Manually verified additional relay settings for Distance Protection Relays, Transformer Differential Protection Relays and REF Relays for other modules present in the plant | **2012-2013** |
|  | Intern, **Power Grid Corporation of India LTD., Salem, India**  Attended training to learn the working of a power distribution station;  training included the following aspects:   * Electricity generation by three phase generator * Technical aspects of power transmission and distribution of electricity to the consumers * Working of protective relays and controls involved in the transmission and distribution network * Involved in testing of three phase transformer and existing circuit breaker. | **2009** |

**Technologies**

* + - * Programming Languages: C, C++
      * Tools: MATLAB, MiPower Simulation Software