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| **Paper Title** | **Authors name** | **Year Published** | **Inference** |
| Design of State Feedback Controller for Inverted Pendulum | N Magaji, A. Dan-Isa, A U Lawan and Mukhtar Fatihu Hamza – Department of Electrical Engineering, Bayero University, Kano, Nigeria | 2013 | A state feedback controller was designed and the power of the state-space techniques and control of Multiple Input and Multiple output (MIMO) is also investigated using MATLAB and SIMULINK |
| Controller Design of Inverted Pendulum using Pole Placement and LQR | P.Kumar, O.N.Mehrotra, J.Mahto | 2012 | Modeling of an inverted pendulum using Euler-Lagrange energy equation for stabilization of the pendulum. |
| Analyzing and Designing Control System for an Inverted Pendulum on a Cart | Md. Monir, Lecturer in Mechanical Engineering, Department of Textile Engineering, BUBT, Bangladesh | 2018 | Analysis of Inverted pendulum and in it’s control system design on a cart using combination of MATLAB scripts and Simulink models |
| Standup and Stabilization of the Inverted Pendulum | Andrew K Stimac  (Masters’ thesis) | 1999 | Stabilization of inverted pendulum accomplished through linear state feedback, using Matlab Simulink environment with DSpace DSP controller board. |
| Inverted Pendulum Control : A Brief Overview | Vijayanand Kurdekar, Samarth Borkar | 2013 | A short survey of Inverted Pendulum Control. |
| On Stabilization of Cart- Inverted Pendulum System: An Experimental Study | T Rakesh Krishnan  (Masters’ thesis) | 2012 | Stabilize the unstable CIPS within the different physical constraints such as in track length and control voltage and simultaneously ensure good  Robustness. |