**IT Capstone Topic Approval Form**

The purpose of this document is to help you clearly explain your capstone topic, project scope, and timeline, and to assure that they align with your degree emphasis. Without clearly addressing each of these areas, you will not have a complete and realistic overview of your project and your Course Instructor cannot accurately assess whether your project will be doable for the purposes of these courses.

Of course, if this is a project that you have already completed at work or elsewhere, this should be easy to fill in! Most students use a project that they have already completed in the past year or two. In that case, you will write the proposals (Tasks 1 and 2) as if the project has not been done yet, and Task 3 as the complete post-implementation report.

Complete this form and send it (via [UGCapstoneIT@WGU.edu](mailto:UGCapstoneIT@WGU.edu)) to your Course Instructor for approval. Once approved, you will receive a signed document in PDF format that you can upload as part of Task 1.

**DEGREE EMPHASIS: Network operations and security**

**ANALYSIS:**

Project Topic – Upgrade network infrastructure

Problem Statement or Project Purpose – customer network does not have any security/ sepration or quality of service. Security cameras share same traffic as production and they expressed interest in updating again phone system IP based phones.

**DESIGN and DEVELOPMENT:**

Project Scope

* 1. Project Goal(s) and Supporting Objectives – replace HP procurve switches and Linksys and successfully implement network security (vlans ACLs and QOS). Models slated for replacement are C9300-48P-E is 48-port PoE+
  2. Project Outcomes and Deliverables – physical switches in each site and configured
  3. Projected Project End Date – 6 months

**IMPLEMENTATION and EVALUATION:**

Describe how you will approach the execution of your project –

Plan new network carving up allowing for room for growth

Re-IP devices

Configure devices before installing them

Remove old and install new equipment

Preform network end to end network test (ping)

Train staff for maintence

**COURSE INSTRUCTOR SIGNATURE:**

**COURSE INSTRUCTOR APPROVAL DATE:**