**FAST- National University of Computer and Emerging Sciences**

**CS 205: Operating Systems**

**Type I vs Type II Hypervisor**

**Project Proposal**

**Supervised**:

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1. **Introduction**:

In this project we will perform a comparison between Type I and Type II hypervisors. This will include the differences in installation/setup methods and the performance impact inside the virtual machine and outside the host system.

1. **Modules**:

This project will make use of various comparison techniques as follows:

* Threading Comparison
* Memory Usage
* Installation Method
* Host Performance
* Guest Performance

1. **Tools** (programming language, system etc.) (List)
   1. Hyper-V
   2. Windows 10 Pro
   3. Linux 18.04 LTS
   4. VirtualBox
   5. Benchmarking Tools
   6. Other Virtualization Software
2. **References** (you would be looking for help)

* <https://www.nakivo.com/>
* <https://www.geeksforgeeks.org/>