

PRESENTATION OUTLINE: An Effective way to optimize performance and battery life of smart devices using multi-kernel approach

Sadid Rafsun Tulon
School of Computer Science
Carleton University
Ottawa, Canada K1S 5B6
stulo080@uottawa.ca

November 21, 2021

1 Introduction

- Explaining the problem we are trying to solve (1 slide)

2 What is multikernel system?

- Explaining multi-core system structure (1 slide)

3 What is lightweight kernels and unikernels?

- Briefly explaining lightweight kernels and unikernels (1 slide)
- Showing unikernel system architecture. (1 slide)
- Difference between monolithic and lightweight kernels. (1 slide)

4 Performance and power consumption comparison

- Performance Chart (1 Slide)
- Power consumption chart (1 slide)

5 Reality

- Availability (1 slide)
- Disadvantages (1 slide)
- My findings (1 slide)

6 Demonstration

- Running unikraft on pc.

7 Future work

- Future work (1 slide)

8 Conclusion

- Conclusion (1 slide)