National Institute of Technology Calicut
Department of Computer Science and Engineering

Monsoon Semester – 2020

CS3003D: Operating Systems

Assignment – 1

1. Download the latest stable Linux kernel from kernel.org, compile it and dual boot it with your current Linux version. Your current version as well as the new version should be present in the grub-menu.
2. Create a simple device driver (character device) for the current compiled kernel and test it with your sample application.

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Instructions:
- Identify a group (of five students) to execute the assignment
- Submit a report (as pdf) detailing out the execution procedure in achieving the goals
   - The report should be submitted individually
   - Source code and Readme file should also be submitted (one per batch)
- The report should contain the following:
   - Problem Statement
   - Methodology
   - Explanation
   - APIs involved/Flow charts if any
   - Screenshots

Submission Deadline : 12, Oct.'20
Submission Mode   : Online (upload to Eduserver Coursepage of CS3003D)

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