

An Alternative Approach to Teaching Bigdata and Cloud Computing Topics at CS Undergraduate Level

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Reproducibility Description Appendix

The developed modules along with lecture notes, tutorial, projects, quiz and survey questions are available for possible dissemination at <http://ibigcloud.altl.org/resources.html>. The interested educators are encouraged to explore and utilize them in their classrooms. The modules are utilized at Winston-Salem State University, a HBCU institution, where 70% student population represent underrepresented and minority group. All modules are utilized in undergraduate CS classes, mostly taken by junior/senior students and three separate instructors taught these modules while collaborating with each other in planning and developing the modules. Each module used only two 75 minutes class to cover lecture and tutorial session. Students are required to complete a take home project (usually with 2 weeks of deadline) as part of each module. The survey was administered at the end of the second class while covering the module.