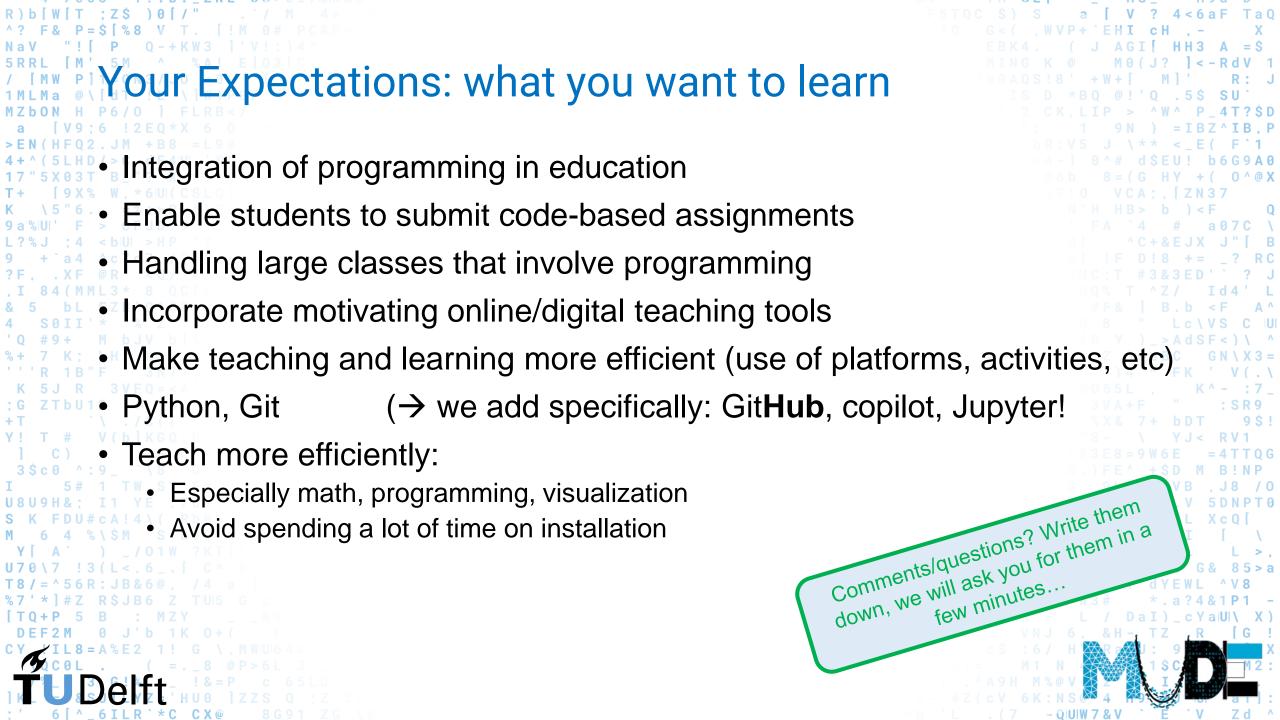


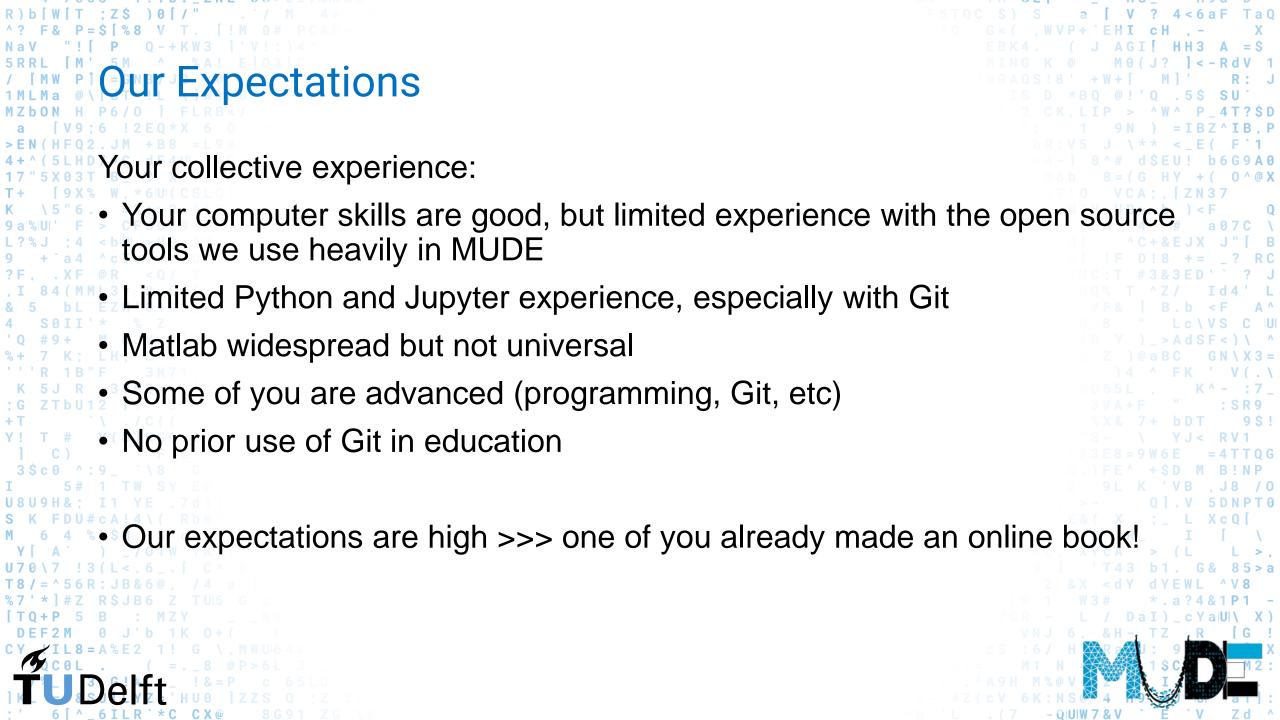
```
Vho are you?
         Name, specialization
      Raise your hand if you...
      • Professor, Researcher, PhD – other?
      • Non-structural? Non-civil?
Familiarity with...Python, Jupyter (notebooks), Git

    Software installed?

    Has anyone not seen MUDE materials at this point?
```



our Expectations: what you want for your students Capable programmers: Solving engineering problems Adopting new technology Focus on understanding mathematics, analysis techniques and programming (not on installation or learning popular software) Improved graduate curriculum Better prepared to tackle problems with inter-disciplinary team (within civil engineering) Wider the perspective of topics in civil engineering (?)Political and Business related activities and ethical conducts.



## Expectations: the workshop

Materials will be shared by end of workshop, if not sooner!

Scope

- Civil Engineering (graduate) education, specifically related to programming
- Use of open source digital tools

How:

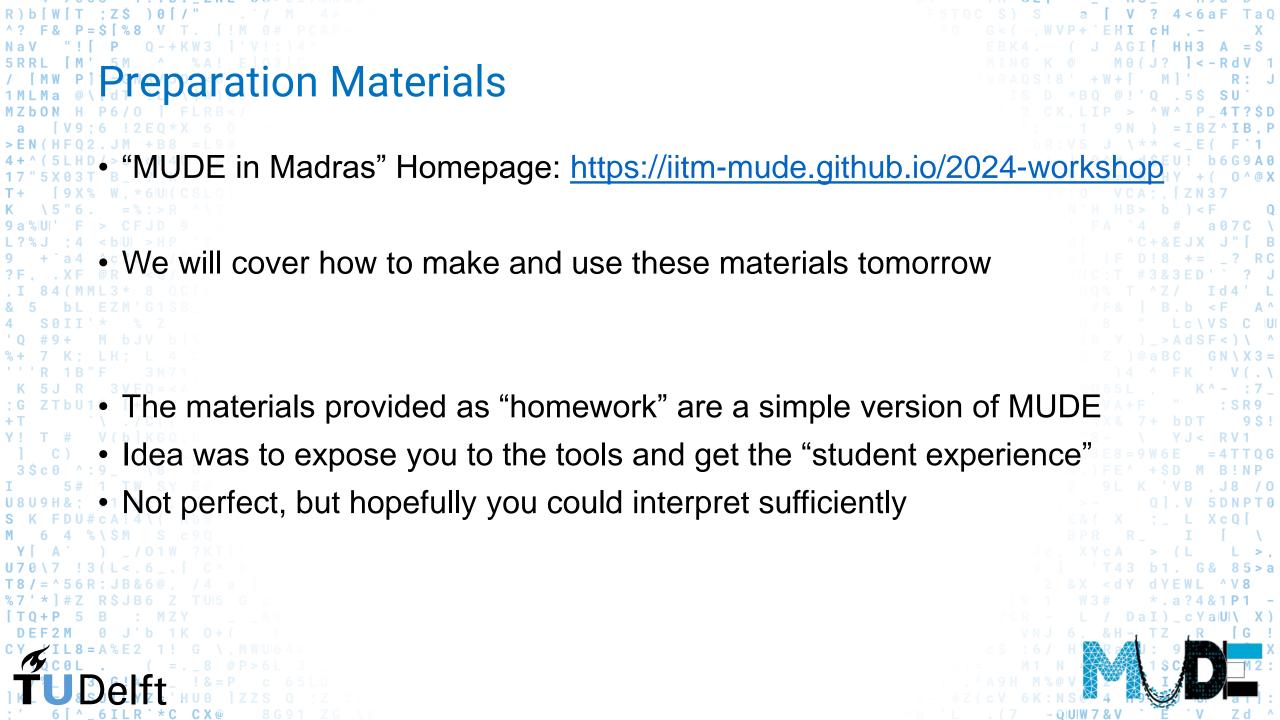
- Use our course MUDE as a case study for innovative MSc-level education
- Introduce, use and discuss the use of various (open source!) software
- Reflect on the advantages and disadvantages of MUDE + software
- Discuss and help IIT Madras decide on future course/curriculum changes
- Identify future collaborations in education?
- Learn from each other, and have fun!

TUDelft

Discussion: anything to ask/add before we start? We will deal with homework/software issues after the next session For now, let's discuss: Expectations • Questions about schedule/scope Logistics If you did not fill out the survey, let us know your opinion now!

```
DE Overview
                     separate slide set
                   01_MUDE_Intro.pptx
```

Summary (from 01\_MUDE\_Intro.pptx) MUDE is complicated, but fun! Expect it to take years to converge A small, close-knit team is effective Start working now Communicate constantly with your students, and be prepared to react Keep track of the feedback (also impotant for improving materials) We are optimistic this workshop will help! This is a lot to absorb, so we start by taking it all in as a student



How did you experience starting the course "MUDE in Madras"? Key websites: homepage, book, files, GitHub (assignment) Were the instructions clear? Does this look like something you could use with your students? How was the software installation? Was it easy/straightforward to get started with the notebooks? Could you focus on the "theory" or were you stuck with installation? How does this relate to what you currently do? Deploying assignments to students, instructions, format of assignments, etc