**Architecture**

Issuer (Moodle)

Holder (Student)

Student Data (student name, language, level, …)

VC (Moodles sig., student name, language, level, …)

Issuer’s SSI Agent

VC (students sig., Moodles sig., student name, language, level, …)

Pub Key lookup

Pub Keys

Verifier’s SSI Agent

ok

Verifier (TU Berlin)

Verifier TU Berlin

Verifier’s SSI Agent

Issuer’s SSI Agent

Holder Student

Issuer Moodle

connection request to student

connection request to student

ok

secure connection

ok, cred def.

student data(student name, language, level, …)

ok

Master application

VC(Moodles sig., student name, language, …)

connection request to student

Moodle’s and student’s public key

ok

Public Key look up

VC(student sig., Moodles sig., student name, …)

VC presentation request

VC presentation request

ok

ok

secure connection

ok

connection request to student