

procedures in a collaborative process” [1].

IV. CONCLUSION

Case-oriented teaching pedagogy creates an active environment by encouraging learning, discussion, team working and higher order thinking. COSEEd is a learning environment for SE with contextualized case enquiry at its heart. It consists of learning objectives, pedagogy and assessment in tight integration to help students learn SE and engineering skills expected from a software professional. COSEEd is designed in accordance with the, evolving, dynamic, problem solving, heuristic nature of SE as well as best practices from the learning sciences. The evaluation of COSEEd in 4 Software Engineering courses (on Software Architecture and Design module) by 320 student reveals that the proposed model improves student competencies. Students also felt that COSEEd contributed towards their communication skills, with Case solving activities contributing more than case listening activities. Over all, we believe that a case study oriented approach, with well-designed case studies is suitable for teaching and learning of software engineering.

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