



CALIFORNIA STATE UNIVERSITY, STANISLAUS

MATHEMATICS DEPARTMENT
(209) 667-3461

My Experiences in Authentic Assessment in Pre-service Mathematics Courses.

Dr. Viji K. Sundar, Professor of Mathematics
California State University Stanislaus
One University Avenue
Turlock, CA 95382 USA
Email: vsundar@csustan.edu

Abstract of Proposal Workshop Content:

The presenter will give an overview of her experience in using authentic assessment in evaluating the pre-service math courses at California State University Stanislaus. The presenter will engage the audience in a dialogue on Traditional Assessment vis-à-vis Authentic Assessment. The presenter will share student work from lower division and upper division math courses as well as from pre-service elementary and secondary school teaching. The evaluation tools include Polya's problem solving techniques, learning journals, quick-writes, projects spread over two to three weeks, group tests, in-class student presentations and portfolios. Presenter has been using performance-based assessment for over ten years and still regards it as an evolving process. In the workshop, audience will have an opportunity to review the student work and the actual assignment, their solutions and presenter's rubrics. The interaction among the attendees is expected to raise some in-depth questions on the way we evaluate our students' conceptual understanding.

Three Learning Objectives are:

1. The attendees will gain an in-depth understanding of Traditional Assessment and Authentic Assessment.
2. The attendees will learn about the content and evaluation of pre-service math courses for elementary and secondary schoolteachers in USA.
3. The attendees will be able to engage in a dialogue with their colleagues about how they may improve/modify the assessment they practice at their institution.