PROJECT TITLE

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Synthesis and development of azo dyes as chemical sensors
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A. Goals: Train students and provide them with advanced knowledge of research skills of organic synthesis, spectroscopic data analysis, writing and presentations skills.
1. Prepare competitive students ready to the job market and graduate studies.
2. Provide students with hands on training on up to date advanced instrumentation, NMR, IR, UV-vis and fluorescence.

B. Objectives:
   i. Synthesis and structural determination of new Schiff bases and Azo Dyes.
   ii. Developing sensitive, selective chemical sensors for detection of anions

3. Achievements and outcomes:
1. prepared 3 senior project theses.
2. ACS presentation
3. presentations in local and regional meetings.

C. Post Projects Plans: Extend the azodyes synthesis and incorporate into polymers to have solid phase platform for chemical sensing