

### PROJECT PROBLEM STATEMENT

The College of Engineering has departments and student organizations that engage our community in outreach events both on campus and out in the community. These entities schedule and promote these events via their individual schedules and individual communication methods. Communication between the entities is scarce if at all. This lack of communication creates overlap in event dates as well as overlap in curriculum presented at the events. We have no system or platform to track who has visited what school or what activity was done. We also have no means for the general public or the P-12 audience to tap into our resources. Many times they schedule engineering field trips through general Purdue Admissions, who then transfer requests to whoever might be within their network.

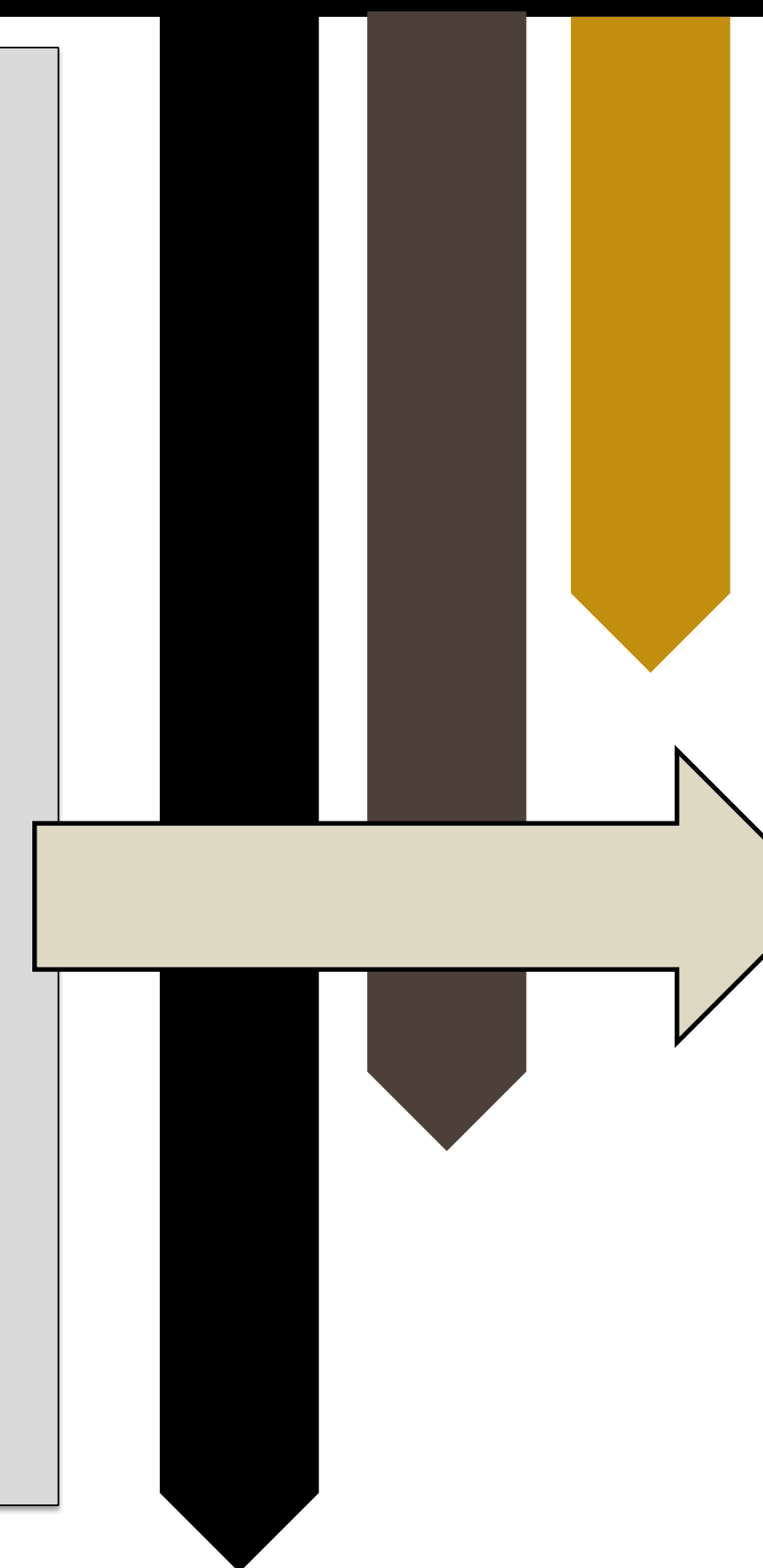
**“My son is interested in engineering and would like to attend a summer camp at Purdue. He is currently in the 6th grade. Where can I find information on all of the summer camps Purdue will offer? I saw a link, but it seemed to be catered for girls.” –Parent of a “son” to WIEP!**

### PROJECT ACTIONS

Research and list all departments, student organizations and student clubs that engage in outreach. Research the potential and probability of building a web page portal button on the main engineering web page that upon clicking, takes users to a P-12 Engineering Outreach Portal page such as the College of Education offers through the P-12 portal page shown below, on which some engineering events are posted.

### PROJECT OUTCOMES

- Building and maintaining a web page of any sort has benefits and consequences.
- Web pages such as this are not static. They need constant and consistent updating to remain effective.
- Producers of content, of which there are many, need access to update information.
- Alternatively, there needs to be a system in place for a central person to maintain and update.
- This page would need to be interfaced such that the end user can quickly and efficiently locate events/groups with relevancy to the age group and subject area they are searching for.
- Departments and student organizations in the CoE conducting P-12 Outreach are presented in the black box below. Due to the lack of accessibility of such information, this research does not reflect an additional body of outreach being conducted by faculty.
- There is agreement among the departments that the College of Engineering would benefit from this page should resources become available. At present, the page is on hold.



### RECOMMENDATIONS

Research for this project, as well as personal experience, leads me to recommend that this web page be considered a high priority for the College of Engineering.

### IMPACT OF WEB PAGE

- alleviate multiple events on a single day which creates competition between groups for personnel and participants
- alleviate repetition in curriculum
- alleviate overlap of exposure to certain disciplines with lack of exposure to others
- will allow professors seeking to fulfill the outreach component within their NSF grants a place to search for appropriate partners
- make data readily available for the college to track outreach being conducted
- increased impact in the local area with entities able to choose sites/schools/events where outreach is not already being conducted

