

## Call for MS-EPSE Capstone Projects

The Masters in Electric Power Systems Engineering (MS-EPSE) program gives students a thorough understanding of the tools, methods and practice of power engineering. It includes two concentrations: power systems and power electronics (<http://www.ece.ncsu.edu/graduate/msepse>). The MS-EPSE program is an integral part of the education program at the [FREEDM Systems Center](#) at NC State University. We solicit Capstone projects in order to provide students with exposure to experts through relevant project work so they acquire the skills and knowledge needed by industry.

This is a call for capstone projects for this 2020-2021 academic year. We are looking for projects related to power systems and power electronics hardware, software, simulation, and analysis and assessment, though other project submissions are welcome. **The deadline for submission is November 15, 2021.**

Capstone projects are implemented through two courses over one academic year. The first course, Engineering Practicum I, starts in the spring semester (January through April) and introduces basic skills on project management and communications (both verbal and written). During the early part of this course, students form teams and choose their project from the selection provided. We solicit from industry to provide students and industry the opportunity to work on a real-world hands-on project. Finally, students develop a project plan for their chosen project.

In the second course, Engineering Practicum II, students work with the industry sponsor and a faculty member who act like project supervisors to ensure successful project completion. Project work is completed and presented to the team.

### Project Submission:

If your company would like to participate as a project sponsor, please complete the form on the next page for each project. You may email it back to Mesut Baran at [baran@ncsu.edu](mailto:baran@ncsu.edu).

If you have questions about the suitability of projects you are considering, please contact one of the EPSE Team:

Mesut Baran, [baran@ncsu.edu](mailto:baran@ncsu.edu)

David Lubkeman: [dllubkem@ncsu.edu](mailto:dllubkem@ncsu.edu)

Len White: [lwwhite@ncsu.edu](mailto:lwwhite@ncsu.edu)

Please email the completed form to Dr. Mesut Baran: [baran@ncsu.edu](mailto:baran@ncsu.edu). Thank you!



Organization Name:	
Contact Name:	
Contact Email:	
Proposed Project Title:	

<b>Project Description:</b>	
<b>Project Deliverables:</b>	
<b>Required Skills:</b>	

Capstone Project implementation- (Engineering Practicum II) timeframe preference:

May-Aug. \_\_\_\_\_ Aug-Dec. \_\_\_\_\_ No Preference \_\_\_\_\_

Please email the completed form to Dr. Mesut Baran: [baran@ncsu.edu](mailto:baran@ncsu.edu). Thank you!