## EE 5200 - Term Projects

### Time: Finals Week  
**Wednesday**

**Allotted Time:** ~15-20 minutes per presentation; 2-4 mins between.

<table>
<thead>
<tr>
<th>Start Time</th>
<th><strong>Team Members</strong></th>
<th><strong>Topic</strong></th>
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<tbody>
<tr>
<td>--</td>
<td>Ketan Lodha and Rohit Sharma</td>
<td>State estimation for power system</td>
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<td>Zhe Qin and Zilong Hu</td>
<td>Impact of High PV penetration in Power System</td>
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<td>12:45</td>
<td>Eric Alafita and Rashed al-Rasheedi</td>
<td>Synchronized Network Interconnection Using VSC Back-to-Back HVDC</td>
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<td>--</td>
<td>Daniel Turkett and Pranay Tayal</td>
<td>power flow control with the help of phase shift transformer</td>
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<td>Erdem Can Doganay and Yaw Adjei Amoh</td>
<td>Reactive Compensation of Transmission Lines</td>
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<td>1:05</td>
<td>Salil Sabade and Amol Kathe</td>
<td>Contingency Analysis of a Model Bus -System</td>
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<td>Theyab Alsenani and Md. Rashiduzzaman Bulbul</td>
<td>Corona performance on transmission line</td>
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<td>Souresh Mukherjee and Ritam Misra</td>
<td>Impedance based Fault detection and Location</td>
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<td>1:25</td>
<td>Aditi Ram Prasad and Sarvesh Patil</td>
<td>Unsymmetrical Fault study on Power Systems</td>
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<td>Guna R. Bharati and Russel Palucci*</td>
<td>Transformer paralleling methods</td>
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<td>Kunal Chitnis and Mayur Baviskar</td>
<td>Automatic Generation Control of a Wind Farm using Variable Speed Wind Turbine</td>
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<td>Jiang He and Fahao Qiao</td>
<td>Doubly-Fed Induction Generator for Variable Speed Wind Energy Conversion Systems- Modeling &amp; Simulation</td>
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<td>1:45</td>
<td>Yawei Wei and Zhenyu Ye</td>
<td>Bulk Power System Flow analysis with Large integration of renewable energies</td>
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<td>Katie Hyrila* and Pankaj Bhatt*</td>
<td>Distributed Generation/System Studies &amp; Stability</td>
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<td>David Mindham* and Joshua Niemi*</td>
<td>Effects of Wind Farm Collector System Charging on Bus Voltages in Power Systems</td>
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<td>Andrei Sawruk* and Brian King*</td>
<td>Investigation of Industrial Customer with Unmatched Parallel Transformers</td>
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<td>John Stieber* and Kord Daniels*</td>
<td>Effects of lightning strikes on transmission lines</td>
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<td>Joe Peterson* and Kyle Rogers*</td>
<td>Analysis of Mobile Substation Installation in Distribution System</td>
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<td>Qilong Wang*</td>
<td>Fault Detection in Transmission Line</td>
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<td>Astrit Fetahi* and Fatouma Bagnan Beidou*</td>
<td>Power System Modeling and Operations</td>
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*on-line students