MET-435 - Senior Design Project

• Course Director – Dr. Alok K. Verma
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• Office Hours: Tue & Thu 10:00-11:50 am
Course Director and Project Advisor

Course Director
Dr. Alok K. Verma

- Coordinates the project course and may also serve as Project Advisor for some projects
- Provide Project Guidance and Grading
Identifying a Project & Finding a Project Advisor

1. Identify your area of interest
2. Match area to faculty expertise to identify possible project advisors
3. Discuss the project with the MET faculty members and course director
4. Write a project proposal and submit it to the course director for approval
<table>
<thead>
<tr>
<th>Faculty</th>
<th>Expertise</th>
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<tbody>
<tr>
<td>Prof. Gary Crossman</td>
<td>HVAC, Fluids, Thermal</td>
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<tr>
<td>Dr. Tony Dean</td>
<td>Controls, Quality, Fluids</td>
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<tr>
<td>Dr. Cheng Lin</td>
<td>CNC, Manufacturing, GD&amp;T</td>
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<tr>
<td>Prof. Moustafa Moustafa</td>
<td>Design, Solid Modeling, Mechanical Systems</td>
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<tr>
<td>Dr. Alok Verma</td>
<td>Manufacturing, Lean, Six Sigma</td>
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List of Previous Projects

• Jet Pump Optimization
• Pneumatic Valve System for an Internal Combustion Engine
• Design of Indirect Evaporative Cooling System using Evaporative Polymer Exchange
• United States Coast guard Propeller Shaft Bearing Analysis
• Design of a Conveyor System for Food Processing Industry
• Auto Angle Adjust Stacker Diverting Device
• Fatigue Testing Machine Redesign
• Automotive Compressed Air System
• Mining Truck Engine Skid
• Additional Cradle Restraint
• Wave Runner Lift