<table>
<thead>
<tr>
<th>Team Name</th>
<th>INTERCEP</th>
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<tr>
<td>Goals</td>
<td><strong>Data Visualization for Situational Awareness &amp; Crisis Management</strong>: This project-based course will form research teams that design and prototype innovative ways to visualize information that is vital to monitoring and assessing risks and threats to organizations. Visualizing information that is normally presented as simple text can help prioritize data and manage crises more effectively. This is particularly important as the amount of information available continues to grow rapidly, outpacing the ability of most organizations to identify what is really important to them.</td>
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| Research, Design or Technical Issues Involved or Addressed | The team will research ways to prioritize text information using visualization techniques in support of a dashboard environment that includes multiple information feeds that are updated in real-time. This will require looking through the literature on the topic of effective data visualization in the area of crisis management. Some Sample Projects students would work on include:  
  - **Attention! Getting Displays**: Develop methods to automatically emphasize important text-based information on situational awareness platform through color change, flashing / pop-ups, sound, bold-type, etc.  
  - **Spotlight on Trending Topics**: Create a mechanism to identify and visually highlight trending topics across a diversity of feeds. |
| Sub-teams | Data Visualization  
            Data Filtering  
            Information Processing  
            Cognitive Processing  
            Crisis Management  
            Organizational Resilience |
| Methods/Technology | Big data  
                        Internet of Things  
                        Visualization |
| Majors and Areas of Interest | Computer Science  
                            Integrated Digital Media  
                            Civil and Urban Engineering  
                            Sustainable Urban Environments  
                            Computer Engineering  
                            Organizational Resilience |
| Partners | NYU Tandon School of Engineering |
| Contacts | Primary Instructors:  
            Bill Raisch ([wgr1@nyu.edu](mailto:wgr1@nyu.edu))  
            Carlos Restrepo ([carlos.restrepo@nyu.edu](mailto:carlos.restrepo@nyu.edu))  
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