

Operations Captain

Preferred Qualifications:

- At least 1 year of FRC experience
- Familiarity with lean continuous improvement tools such as VSM, 8W reduction, Barrier Paretos, Point Kaizen, and 5S
- Strong communication skills and ability to listen to and understand the story behind technical problems
- Strong analytical skills and ability to understand and solve complicated systemic issues
- Ability to lead and manage process-oriented problem solving discussions
- Ability to be decisive and coordinate execution of a goal-oriented action plan

Expectations – (inability to meet these expectations may be grounds for demotion from the position)

- Should attend all team competitions unless an exception is discussed with mentors before the start of the season with obvious exceptions for extreme circumstances.
- Should attend over 80% of team meetings and clearly communicate expected absences to the entire team at least a week in advance as well as ensure that their absence is prepared for and that their authority is delegated to a capable proxy.
- Will quickly resolve personal conflicts or disagreements with other team members or mentors by addressing the conflict in a healthy conversation, or requesting a third-party mentor moderate a conflict resolution session.
- Will be expected to speak in front of the team regularly and participate in sponsor presentations and outreach demonstrations when needed.
- Will coordinate and cooperate with other sub team captains to ensure a successful robot build
- Will meet any verbal commitments given to mentors in the form of accomplishing agreed upon goals or demonstrating reasonable progress and effort towards those goals.

Responsibilities- (This is a comprehensive list, but this position is still a learning experience. Mentors will be available to ensure you are able to meet these responsibilities.)

- Leading lean continuous improvement efforts
- Use of Ohno circle to develop understanding of systemic issues
- Application of root cause analysis techniques for problem solving
- Coordinating and tracking individual student owned point Kaizen efforts
- Ownership of the robot build value stream and annual VSM events
- Coordinating with the manufacturing captain to streamline production processes by deploying one piece flow production techniques
- Coordinating with the engineering captain to streamline design processes and focus on value added design
- Tracking and updating a glass wall with barrier tracking and visual information to facilitate cross team communication
- Coordination of 5S system to facilitate shop organization
- Leading A3 projects focused on reduction of 8 industry wastes
- Ownership of FMEA for management of pit problems and risk reduction at competition
- Use of SWOT and Hoshin Kanri for team strategic planning in cooperation with business captain
- Development of standard work and comprehensive training plan in cooperation with talent development captain