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