

Contents of Design report to be submitted during the qualification round are as given below.

- 1 **Description of ANAV:** Provide the overview of the realized ANAV and system architecture
- 2 **Components with their specifications:** Describe all major subsystems (Sensors, actuators, controllers etc.) and components (all mechanical and electrical) of ANAV along with their specification.
- 3 **Flow chart of Algorithms and sensing methods:** Explain algorithms using flow charts for all modes of ANAV. Explain what sensing techniques/methodology are used.
- 4 **ANAV realization:** Report about how the ANAV Hardware and Software are realized (in similar lines of the proposal outline submitted during preliminary round).
- 5 **Realized ANAV specification:** Report the details of overall specification to be provided similar to the details sought during preliminary round.
- 6 **Tests and outcomes:** Report all the tests conducted and their outcome.
- 7 **Tasks and outcome:** Explain the tasks of the qualification round demonstrated by the team and outcome.
- 8 **Realized Emergency Response System:** Report the safety features and their demonstration.
- 9 **Project management:** Responsibilities of Team members who involved in realization of ANAV
- 10 **Novelty in the realized ANAV**
- 11 **Review report by first mentor:** Review, suggestions, comments by the first mentor
- 12 **Review report by second mentor (if applicable):** Review, suggestions, comments by the second mentor

Design report during qualification round:

Maximum number of pages: 50 pages

Format: PDF

File size: 20 MB