**TEKNOFEST**

**AEROSPACE AND TECHNOLOGY FESTIVAL**

**UNMANNED UNDERWATER SYSTEMS**

 **COMPETITION**

**PRELIMINARY DESIGN REPORT**

**CONTENTS**

1. **REPORT SUMMARY**

{This section provides summary information about the activities carried out within the scope of the project.}

1. **TEAM CHART**

{This section provides information about team members and, if applicable, the advisor (task allocation and team organization). **At this stage, personal information of team members should not be shared.**

1. **VEHICLE PRE-DESIGN**

{In this section, the information including the front design of the vehicle (including fuses, overwater control station, etc.) is given as a block diagram.}

* 1. **System Preliminary Design**

{This section provides a block diagram with the front design of the vehicle.}

* 1. **Mechanical Design of the Vehicle**

{This section describes the parts that are considered important about the mechanical design of the vehicle. Visuals of a three-dimensional design sample of the vehicle (rendering, prototype photo, etc.) are included and information about the design is given.}

* 1. **Electronic Design, Algorithm and Software Design**

{In this section:

1. Parts of the vehicle that are considered important related to electronics,
2. Important parts related to the control/navigation/guidance algorithm of the vehicle i,
3. The interfaces of the vehicle, the sub-components planned to be used in these interfaces, the message interfaces, the interface of the surface control station planned to be used in the control of a rac, the important parts related to image and data transfer are explained}
4. **TIME, BUDGET AND RISK PLANNING**

{This section includes a time-plan, final budget planning, and risk planning that includes the vehicle's critical design, manufacturing, and testing processes.}

1. **ORIGINALITY**

{This section should describe the original aspects of the project/tool.}

1. **REFERENCES**

{This section should include the references used in the report.}

|  |
| --- |
| **NOTE ON REPORT DRAFTS** |
| * **All reports must be written in accordance with academic report standards. Critical information provided should be cited in national, internationally recognized journals or articles with academic validity.**
* **Information about the contents of the reports is stated above.**
* **All reports must include "Table of Contents" and "References".**
* **Each report must include a cover page.**
* **Reports pages should be numbered consecutively.**
* **Font: Times New Roman, Size: 12, Line Spacing: 1,15. Justified on both sides, Page margins should be top-bottom-right-left 2,5 cm.**
* **The sentences in the report should not be the same and repetitive of each other.**
* **The maximum number of pages (including cover, table of contents, and references) of the report is 10. Reports submitted over 10 pages will be considered invalid.**
 |