TEKNOFEST

**AEROSPACE AND TECHNOLOGY FESTIVAL**

**ENVIRONMENT AND ENERGY TECHNOLOGIES COMPETITION**

**PROJECT DETAIL REPORT**

**TEAM NAME:**

**PROJECT NAME:**

**APPLICATION ID:**

**Project Detail Report**

**1. Project Summary:**

Explain the project idea briefly, if there is, an image can be added.

In the explanation part, details must be given about document content and project content

(design, software, assembly).

**2. Problem/ Issue:**

Remark issue/issues which make your project necessary to do.

Remark why existing solutions are inadequate and what kind of improvements are necessary for this part.

If issue related project is complicated and has associated subsystems, the issue can be divided into subpart.

Write understandable and in plain language.

Images can support the problem addressed by the project.

It may be supported by a simple presentation with iconic images.

3. **Solution**

Remark your solution proposal or proposals fort he problem.

Remark idea of the project analyses which problem/distress socially.

Describe how you solved the problem as far as possible bright and explicitly.

In this part, visuals about the solution(prototype picture, 3D technical picture, etc.) and information about design should be given.

Present the subcomponent associated with your prototype in detail.

It can be described as a solution algorithm to understand easily.

4. **Method**

Explain the method you use while actualizing the solution you proposed in detail and clearly. Indicate which scientific principles and technological applications you build on your method.

Especially if there is any prototype, experiment results should be specified clearly.

Make an interpretation of results by analyzing them.

Describe this section with your visual(2D,3D) and/or prototype.

5. **Innovative Aspect**

Provide information on the innovative aspect of your project.

Indicate what the feature/features distinguish your project from similar products available on the market. Information should also be given about related products in this section.

Indicate specific aspects of your project. In this section, information is given about hardware and software parts of the original product designed. (if any)

It is needed to specify if there is an innovative aspect in your work, in your codes, in your design. Teams are asked to indicate how they prepared their own studies in this field and in what aspects they different from similar studies.

6. **Applicability**

Give information about how your project idea will be implemented. Under current circumstances, the information should be given as to whether your project can be converted into a commercial product. Indicate what the current risks in its applicability are.

7. **Estimated cost and Project Scheduling**

Provide information about the estimated budget of your project.

Provide information about your project's applicable status at minimum cost.

In this section, a schedule and a list of materials to be used should be prepared, which include the design, production and testing processes of the product.

Depending on your project plan, it should be written which expenditures will be made in which period.

If there are similar projects in the market, cost comparisons should be made with other projects in the market.

You can show the project calendar on a time bar. But be careful not to be too complicated.

8. **Target Group of the Project Idea (Users):**

It should be stated here who will use the project and who will address it.

Brief information about the definition of the problem.

9.  **Risks**

The elements (risks) that will adversely affect the project need to be identified and

identified.

Problems that may arise during the implementation of the project should be identified.

Measures and solutions for problems that may arise during project implementation

(Plan B) must define.

In time planning, job packages, job descriptions and processes should be explained in

detail.

Budget planning materials prices and production under the heading of a given material

prices of the materials described in the methods must be presented in the table obtained

by collecting. A probability and impact matrix must be added in Risk planning.

10. **Resources and Report Layout**

The report should include the resources section.

The title of the references should be given the addresses of the articles that you use to learn about the construction or construction of your project, the forum site where you will ask for the properties of the materials that you will use, and the websites that we will use to review the work that has been done before.

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| **NOTE ON REPORT DRAFTS:** |
|  **- The first 9 items above will be explained on a maximum of 10 (ten) pages.** **- There will be a maximum of 15 pages including cover, description, and visuals.**  **Reports exceeding 15 pages will not be considered. (The bibliography and table of contents are not included in the number of pages.)** **- All reports must be written in accordance with academic reporting standards.** **- Each report should include a “cover” and a “contents” page.*** **- Font: Times New Roman, Font 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.**
* **-Our teams that have benefited from the reports of the past years on our website have to include cited phrase after the sentence cited.**
* **CITED FORMAT:** "Cited Phrase/s (Year, Competition Name, Category, Team Name) **EXAMPLE QUOTE:** "Failure to determine the location of the earthquake victim in the wreckage is the most important problem that slows down the debris removal and search for the earthquake victim." (2020, Technology For Humanity, Disaster Management, X Team)

**- References in the bibliography can be specified as follows.** **Digital Source:** Authors' Surnames, Initials, Title of Article, Date of Article, Date of Access, Address of Access. **Printed Source:** Authors' Surnames, Initials. (Print Date) Title of Article, (If Available) Name of Journal Published, (If Available) Number of Journal, Page Number. |