**NSF-2025**

**Format for Submitting Research Plan of Engineering Projects for Pre-selection**

(This format is only for Engineering Projects only)

**Note :** The Research Plan shall be up to **6 PAGES in A4** under the **FOLLOWING HEADINGS**:

**Project ID and Title** :

 o Project ID. (provided by OMEIAT upon registration by ONLINE). …………

o Project title …….

o Name of the student: ………

o Name of school /college ---------

o Address of school /college …………..

1. **INTRODUCTION:**

**What is your engineering problem and goal?**

• What problem are you trying to solve? Include a description of your engineering goal.

• Explain what is currently known about this problem, including work upon which you may build. What is missing/ not addressed in the existing one ? State whether your project is an Invention or Innovation)

Explain the Need for the Project: (Reason for choosing the project –Societal impact/ Industry requirement/ achieving any of Sustainable Development Goals)

 You may include a brief review of relevant literature and references.

• If this is a continuation of a previous project, provide a brief summary of the prior

 research work.

2. **METHODS:**

**Explain your proposed methods and procedures for building your design.**

• What do you plan to do?

 How will you design and produce the prototype?

 If there is a physical prototype, you can include pictures or designs of the

 prototype.

• What is your plan for testing the prototype? How do you plan to collect the

 data?

• In case your engineering goals are not met, what is your next plan?

 i) Are you planning to test the prototype with some variation in the procedure?

 ii) Are you planning to change the prototype itself? If so, what is your idea for

 designing a new prototype if the original does not work?

• Do not include a separate list of materials.

3. Briefly state the **SCOPE OF PROJECT:**

How possible outcomes of the project will benefit the end user?

Commercialization: Detail identifying the end user for the project and possible cost savings / efficiency / performance enhancement

**4. No need** to provide **results and conclusion** in the research plan at this stage.

5. **REFERENCES:**

• List the references/documentation used, such as books, journal articles that

 support your selection of the problem, methods, procedures, etc.