

INDUSTRIAL PROBLEM SOLVING (PARIVARTAN)

FIRST YEAR STUDENTS

ENERGY STORAGE SOLUTIONS USING EARTH ABUNDANT MATERIALS.

Renewable energy requires energy storage devices to supply round the clock power. Current solutions use rare materials that can store energy in chemical form and convert that stored chemical energy into electrical energy when needed such as Lithium which are not readily available and traditional Storage Solutions using earth abundant materials is the need of the hour. We expect you to come up with economical solutions in form of a report which can help replace the current storage techniques.

The presentation of the report will be evaluated on the following parameters:

- Address to the problem(10 points).
- Solution to the problem(20 points).
- The Practical feasibility of the idea/solution (20 points).
- Economic aspects of the solution (20 points).
- If acquired, the time and the capital requirement for the first time implication of the solution in the industry (15 points).
- Literature Survey/Acknowledgement (15 points).