

Department : **Mechanical**

Year : **2017-2018**

Group No: **21**

Guided By

PROF. J. B. PATEL

SMT. S. R. PATEL ENGINEERING COLLEGE, UNJHA

Project Title

SAND CLEANING AND SEPARATION MACHINE

Abstract:

In the today's world development is faster process particularly for the construction work. Sand is the major element for the concrete construction. Sand quality is varies from place to place so it is required to screen it before use. But manual screening of the sand is time consuming process. To solve this problem we decide to design and fabricate reciprocating sand screening machine. The reciprocating sand sieve machine is a machine that is used for the sorting/screening/separation of sand. The machine works on the principle of reciprocation where a to and fro motion is responsible for the agitation (shaking) of the sand leading to separation of coarse particles (stones gravel) from the required particles (fine and clean sand). The machine fabricated for building constructions to screen and that will be used as aggregate for plastering and concrete work where the quality of sand increases the quality and finishing of the work.

Prepared By:

Sr. No.	Student Name	Enrollment No
1	HARSH M. PATEL	120780119025
2	MOTI V. RABARI	140780119067
3	ARUN V. GADHAVI	140783119006

