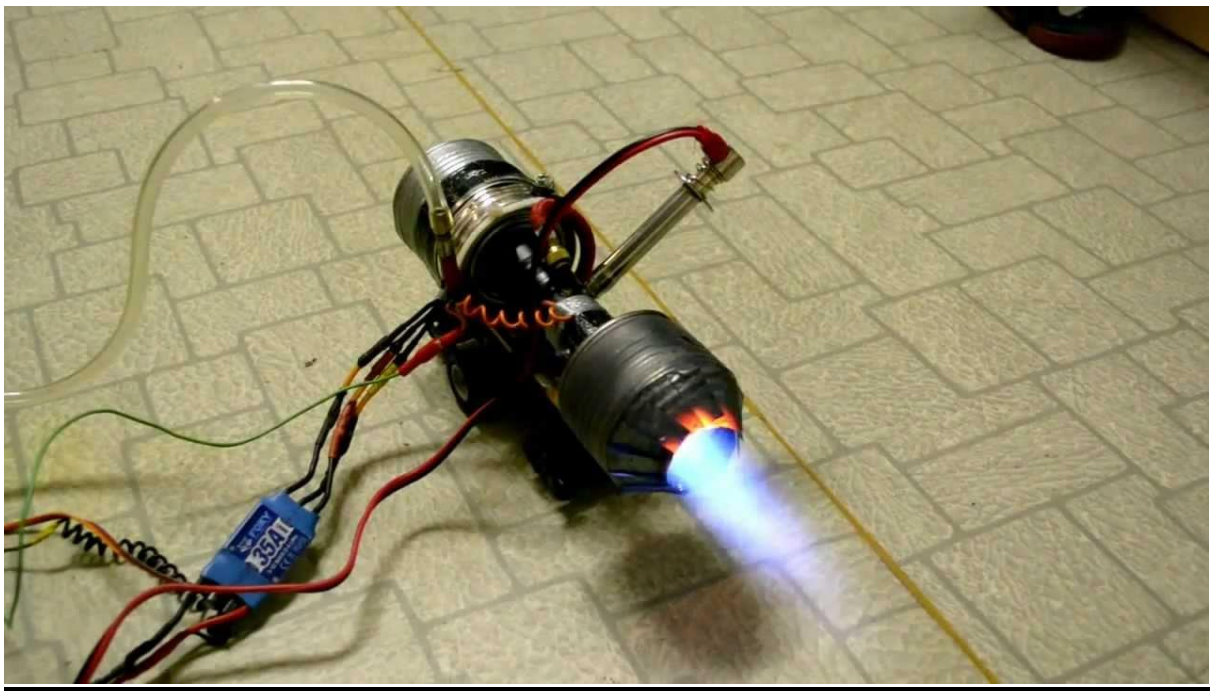
TURBOJET ENGINE



This projects aims to make a working model of a turbojet engine with controlled fuel ejection.

WHAT WILL WE DO!!!

*Design the engine in parts to minimise its size.
*Build an intake.
*Design and build compressor for maximum gas compression
For effective combustion of fuel.
*Build an effective exhaust and turbine
*Build a fuel pump and design an ejection system
*we'll decide the fuel after careful study of fluid mechanics and propulsion systems.

TEAM COMPOSITION

*Trideep kawde
*Abhishek vibhaker
*Abhas Sinha

WHAT WE WILL LEARN!!!

*Designing.
*Concept of thermodynamics and fluid mechanics.
*Properties of various fuels.
*And obviously what it takes to make a jet engine.

REFERENCE

*Lecture notes of MIT on jet engines for calculations and designing

http://web.mit.edu/16.unified/www/FALL/thermodynamics/notes/node85.html

COMPONENTS REQUIRES

*Heat resistant metal discs
*Metal pipes(steel) of estimated 12cm to 17cm diameter
*pipes of smaller diameter
*Valves
*fuel pump
*metal sheets
*screw,nuts,bolts

And access to workshop tools and tinkerer's lab equipments.

PS~ if time permits we will make a vehicle compatible for mounting it…..