In this paper, we ~~talk about~~ discuss two topics covered ~~under the subject area of~~ in mechanical engineering: mechanical advantage and combustion.

A given machine creates ~~Mechanical~~ mechanical advantage (MA) ~~is created by a machine~~ that ~~make possible~~ enables ~~effective~~ the performance of work using less force. ~~We will define as:~~ MA is defined as follows:

MA ~~=~~ = Output force / ~~:~~ Input force.

MA is divided into two categories ~~:~~; ideal mechanical advantage (IMA) and actual mechanical advantage (AMA). ~~The former~~ IMA is also called theoretical mechanical advantage~~,~~ and is the MA of an ideal machine~~s~~. ~~The second one~~ AMA is the MA of a real machine~~.~~ ~~This type of MA~~ , which ~~takes~~ considers the factors ~~of~~ pertaining to the real world, ~~like~~ such as energy lost in friction ~~process~~.

Some examples of machines that exhibit MA are~~:~~ beams, screwdrivers, doorknobs, pulleys, and screws.

~~In below paragraph, we~~ We ~~describe~~ ~~working~~ the functioning of a pulley.

~~Think of~~ Consider a simple~~-~~ compound~~-~~ pulley system that comprises ~~d of moveable and~~ a movable pulley and a fixed pulley lifting a weight ~~we will call~~ designated as "~~:~~A.~~:~~". The tension in ~~all the lines~~ each line connecting ~~those 2~~ these two pulleys ~~=~~ is calculated as A/3. ~~Then yield MA =~~ This yields an MA of 3.

~~For~~ In cases wherein ~~a~~ ~~moveable~~ movable pulley and a fixed pulley ~~lifting~~ lift A with an additional pulley channeling the lifting force ~~in~~ downward ~~direction~~, the tension in ~~all lines~~ each line is still ~~is~~ A/3~~.~~ ~~And MA~~ and the value of MA is 3~~,~~.

Comment [A1]: Introductory prepositional phrase are separated from the main clause by a comma.

Comment [A2]: Spaces should be inserted before and after arithmetic symbols.

Comment [A3]: To use the colon correctly, you must make sure that sentence that comes before the colon is a complete, grammatical sentence.

Comment [A4]: In American English, an oxford comma is placed before "and" in a series.

~~Fixing~~Adding a fixed pulley to the single~~-~~ pulley system ~~increased mechanical advantage~~increases MA.

~~Next in~~ The next topic of this discussion is combustion~~. This~~, which is ~~the~~a sequence of exothermic ~~reaction where fuels and oxidants~~reactions wherein a fuel and an oxidant react. This produces ~~not only produces~~ heat ~~but~~ and chemical species that ~~has underwent~~have undergone modification or conversion ~~in~~ during the sequence of reactions. There are two types of combustion: complete and incomplete.

~~Complete~~The former type of combustion ~~takes place~~occurs in the presence of sufficient oxygen ~~levels.But~~; however, only a limited number~~s~~ of products ~~come~~are produced from the ~~reactent combusting.~~ ~~In incomplete~~reactant that is undergoing combustion~~,~~. In contrast, in the latter type, ~~-~~insufficient oxygen is available for the ~~reactent.~~reactant. The ~~by~~ products of ~~incomplete~~such combustion are usually ~~are unhealthy~~harmful to health.

Comment [A5]: In American English, that is used to introduce a restrictive clause and which a nonrestrictive clause.

Comment [A6]: In academic writing, information is presented with accuracy and conciseness. Formal language is a hallmark of academic English. One way to ensure conciseness in expression is converting phrasal verbs to formal words. In this instance, "takes place" is replaced with "occurs."