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The design specifications include: WIT-MEGB-01, 10 horsepower input, 3.5 gear ratio with

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1% variation.

Delivered power of  
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The design specifications

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consists of three



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Engineers, Georges  
Matta, Stanislav  
Nemirovsky and  
Riad Haissam El  
Charif, working  
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supervision of Mr.  
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Gearbox design -  
MECH 393 final  
project  
Regardless of the  
initial

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conceptualizing  
approach,  
engineering and  
design must identify  
the gearbox  
application, gear  
configurations /  
type and packaging  
requirements first  
to effectively  
complete the design  
tasks. Starting with  
hand sketches: This  
approach is also

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referred to as layout design. Design or engineering staff sketches the gearbox components, bearings, configuration, gear types, and provides sufficient information to initiate design review, analysis or

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prototype efforts.

## Design Gearbox Projects

### Gearbox Design and Application

Overview -

Engineers Edge

Abstract My

Project “ DESIGN  
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DIFFERENTIAL  
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focuses on the  
mechanical design  
and analysis of

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gearbox as transmit the power. I had developed this work as my semester project with a view to get familiar with the technologies as well as application of theories into practical work done by industries.

DESIGN AND  
ANALYSIS OF

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## DIFFERENTIAL GEARBOX

A gearbox, also known as a gear case or gear head, is a gear or a hydraulic system responsible for transmitting mechanical power from a prime mover (an engine or electric motor) into some form of useful

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output. A gearbox is a set of gears for transmitting power from one rotating shaft to another.

Design and  
Fabrication Of Gear  
Box Full Report  
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Title: Engineering  
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ï ¿ ½ ï ¿ ½ Julia  
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working in the  
sheet metal  
industry as a  
designer.

Additionally, he has  
interested in  
Product Design,  
Animation, and  
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Common MW-scale  
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gearbox designs  
comprise three  
stages, one  
planetary and two  
helical-parallel  
stages with a ratio  
between 60 and 80,  
while an equivalent  
tidal turbine designs  
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that moves, from  
complex machinery  
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development of  
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and purpose.

Mechanical

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