

# SHAKEEL IRFAN

## MECHANICAL ENGINEER

CAD & FEA | Drafting & Modelling | Design Analysis | Vehicle Design | Conceptual Design

### CONTACT & INFO

☎ (+61) 497 166 742  
✉ shkl.irfan@gmail.com  
in @shklirfan  
📍 Dandenong, 3175 VIC

AUS Work Rights: **FULL**

### MY SKILLS

- ▶ Strong Mathematical, Analytical and Problem solving skills
- ▶ Effective Time management
- ▶ Creativity and innovative thinking
- ▶ Obsessive attention to detail
- ▶ Communication, verbal and written
- ▶ Project and time management
- ▶ Strong ability to work under pressure
- ▶ Strong Drafting Aptitude
- ▶ Australian Design Standards
- ▶ Professional Negotiations
- ▶ Client/ Customer Service

### TRADE SKILLS

1. CNC Machining + Programming
2. Precision Component Engineering
3. General Workshop Fabrication
4. Mechanical Assembly

#### Basic Machining Processes:

Turning/ Lathe  
Welding/ Joining  
Cutting/ Grinding  
Drilling/ Milling

### EXPERIENCES

#### PROJECT MANAGER

(2018 - 2019)

#### AYDAN GROUP

Initiated new and efficient methods for management of digital assets. Spearheaded 2 digital projects.

#### MECHANICAL ENGINEER

(2016 - 2017)

#### RACHIS SYSTEMS

Led a team of 4, to optimize & develop prototype designs. Developed materials and technical documents as well.

#### AEROSPACE INTERN

(2016 - 2016)

#### SAPURA AEROSPACE

Completed all training objectives including routine aircraft maintenance and flight planning operations.

### QUALIFICATIONS

#### BACHELOR OF AEROSPACE ENGINEERING

B.Eng (Honors)

#### Engineers Australia Accredited (AQF SL1)

Mechanical College. Active in 3 societies. 4 R&D Projects. Member of Robotics Team. Heavy focus on vehicle design (CAD).

### KEY TECHNICAL SKILLS

#### CAD:

Solidworks  
AutoCAD  
Alibre

#### FEA:

Ansys (CFD)

#### CODING:

Matlab

#### Others:

MS Windows  
Adobe CC  
MS Office

### PAST PROJECTS

1. Study: A Pitching, Oscillating, Non-Planar Wedge in Hypersonic Flow (Numerical Analysis, CAD, FEA - CFD)
2. D&D of Impact Drop Test Equipment (Extention) (CAD, Matlab)
3. R&D of Educational AGV (Line Following Robot) (CAD, VS)
4. Quadcopter Control System Design & Development (Matlab)

# SHAKEEL IRFAN

## MECHANICAL ENGINEER

Drafting Work Samples

### CUSTOM PUMP +

CAD/ CAM/ FEA

Software:

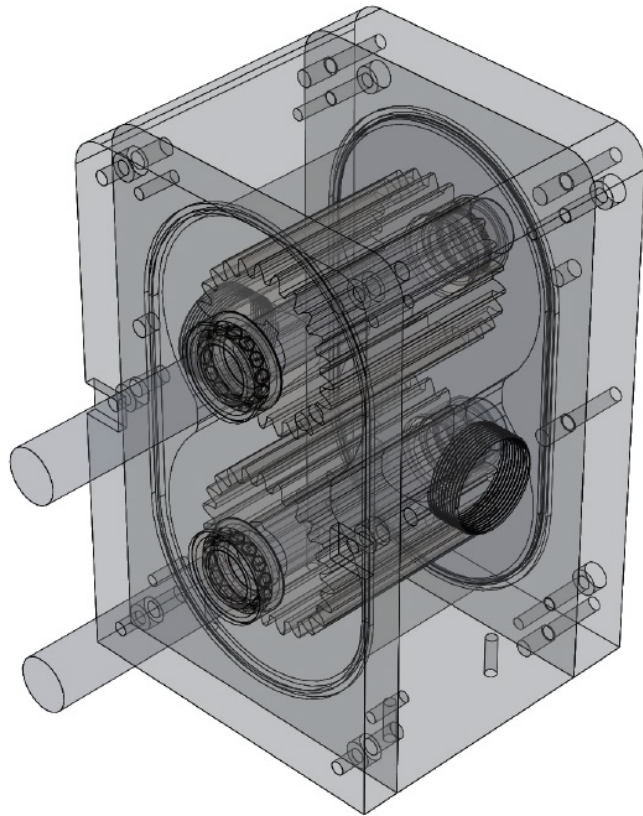
Solidworks, SolidCAM, ANSYS

Specifications Confidential

Compliance: AS 2417

Client Confidential

Client Location: VIC, AU



### IMPACT DROP TEST EQUIPMENT +

CAD

Software:

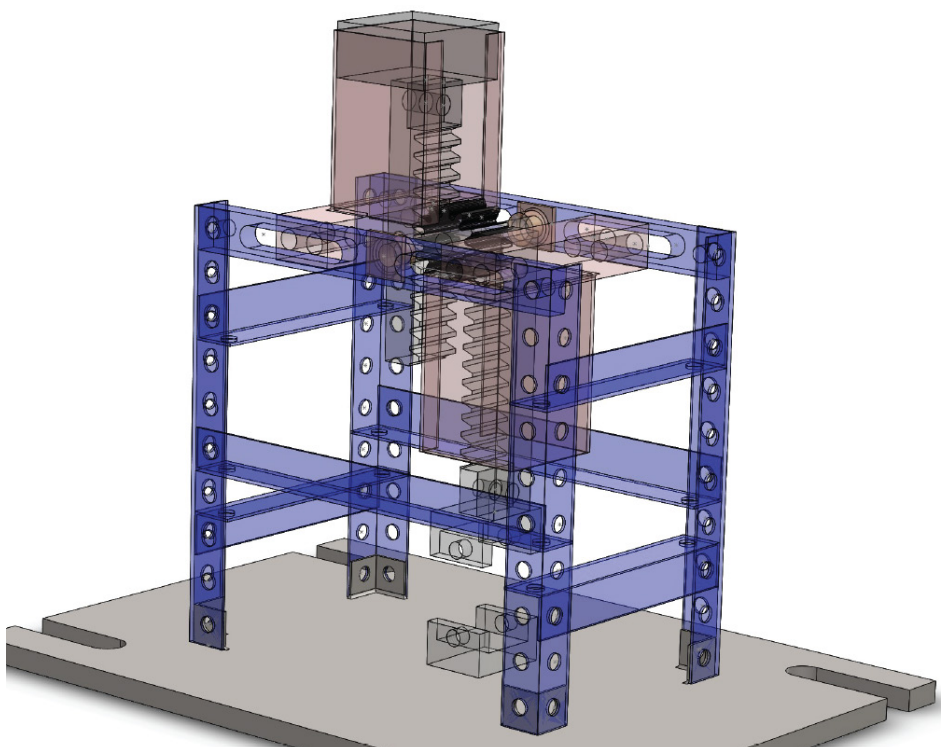
Alibre Design

Specifications:

10KN Max Impact

Compliance: 89/392/EEC

University Project (KL, MY)



# SHAKEEL IRFAN

MECHANICAL ENGINEER

Drafting Work Samples

## HIGH BYPASS RATIO TURBO FAN

+

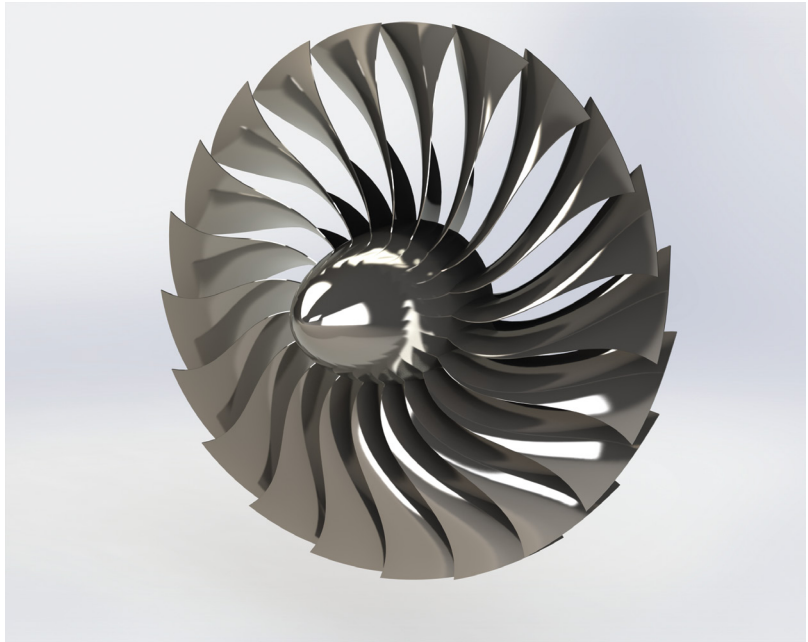
CAD/ FEA

Software:

Alibre Design, ANSYS

Specifications N/A

University Project (KL, MY)



## SEVERAL CUSTOM COMPONANTS

+

Turning Components (CNC)

Custom Clamps

Custom Bearings

Others

All Standard Compliant

