

In the name of God



# Airplane Design

K.N.Toosi University of Technology, Aerospace Department



hello!

Hamed Alisadeghi



[Alisadeghi@kntu.ac.ir](mailto:Alisadeghi@kntu.ac.ir)

Tel: +98-73064237

[Wp.kntu.ac.ir/Alisadeghi](http://Wp.kntu.ac.ir/Alisadeghi)

[cv.kntu.ac.ir/HamedAlisadeghi](http://cv.kntu.ac.ir/HamedAlisadeghi)



**01**

**Design Book**

Project Specification,  
Statistical, Mission  
Specification

**02**

**Design Book**

Weight Sizing

**03**

**Design Book**

Weight Sensitivity  
Analysis

**04**

**Design Book**

Wing Area & Propulsion  
Thrust Sizing



**05**

**Design Book**

Fuselage Layout & Sizing

**06**

**Design Book**

Engine Installation &  
Characteristic

**07**

**Design Book**

Wing Layout & Sizing

**08**

**Design Book**

High Lift Devices  
Selection and Sizing



**09**

**Design Book**

Empennage Sizing

**10**

**Design Book**

Landing Gear Deployment  
& Sizing

**11**

**Design Book**

Weight & Balance  
Analysis

**12**

**Design Book**

Configuration Finalization