

MEETING MINUTES

Topic: Shaft Manufacturing and Gearbox Assembly

Saturday, February 4, 2017 at NAU ME Fabrication Shop

10:00am – 6:00pm

Minutes recorded by: David Rankin

Meeting called by: Ali Alkhaiyat

Attendees: David Rankin, Ali Alkhaiyat, Yongseok (Kevin) Park

Table 1. Record of Meeting

Team Member(s)	Task Completed
Ali and David	Shaft and Gearbox Manufacturing <ul style="list-style-type: none">• <u>10:00am – 1:00pm</u>: David manufactured one crank arm shaft and one generator shaft on the lathe with the assistance of Ali. David drilled key slots into both shafts while Ali began gearbox disassembly.• <u>1:00pm – 2:00pm</u>: Ali finished gearbox disassembly and began installing shafts according to the SolidWorks drawing.
Ali, David, and Kevin	Gearbox Assembly <ul style="list-style-type: none">• <u>2:00am – 4:00pm</u>: Ali, David, and Kevin finish installing new shafts for gearbox and they begin adjusting gearbox alignment for the middle bearings.
Ali and Kevin	Middle Bearing Installation <ul style="list-style-type: none">• <u>4:00pm – 6:00pm</u>: Ali and Kevin but middle mount for middle bearings and begin installing into the gearbox. They find that the shaft alignment is not allowing the middle bearing to sit on the same place, as indicated in the SolidWorks drawings. More work will need to go into the shaft alignment at a later date.