



American International University-Bangladesh (AIUB)

Faculty of Engineering

Summer Semester 2020-21

BAE 2101: COMPUTER AIDED DESIGN AND DRAFTING [P]

Assignment 1 & Group Formation

Instructions (check and double check all the steps before submission):

- Make sure you have done all the tasks that you have learnt in the class (i.e.- labeling, figure caption etc.). **Must distribute the tasks among all the members in your group.**
- Don't forget to write all the member's **Name** and **ID** in the AutoCAD window. Save the AutoCAD file as "**Section_Group # group_no**)" (For example, "**P_Group # 1**"). **Anyone of your group have to collect all the files (.dwg only) and merge them into a single AUTOCAD file and finally upload the single .dwg file.**
- Submit only 1 file from each group. **Anyone of your group can take the responsibility to process and upload on behalf of the group.**
 - Submit your assignment **before the deadline:** <https://tinyurl.com/cad-assignment1>
- This submission portal will automatically disable at **11:50 pm on 30th June 2021 (Wednesday).**
- Please **avoid multiple submission** that will be counted as **NO SUBMISSION**. No document will be accepted after the mentioned time.
- **Don't copy/share your file to others. If you do so, all the members of both the group you will be penalized as "F" grade.**

Question: Draw the following circuits (as it is) using AutoCAD 2007 software. Also show a **legend** of all the components used in this drawing (make a list on the right side with names of the symbol used: *Resistor, Capacitor, Transformer, Inductor, generator, motor etc.*) **[30 points]**

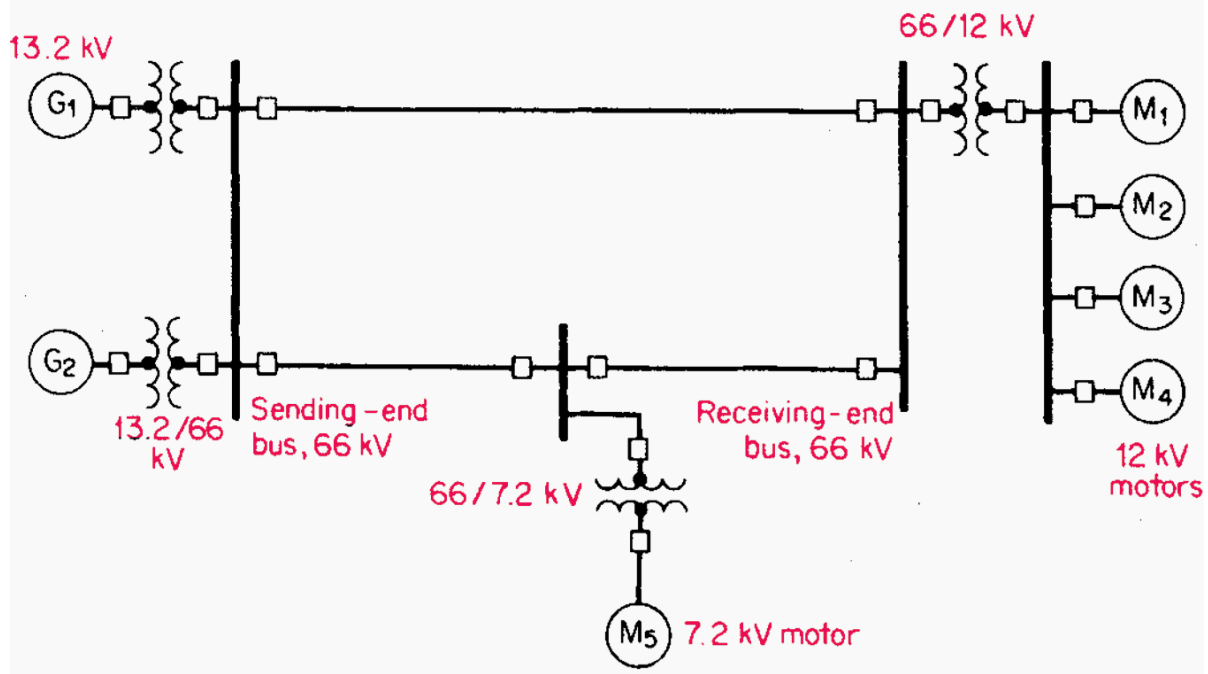
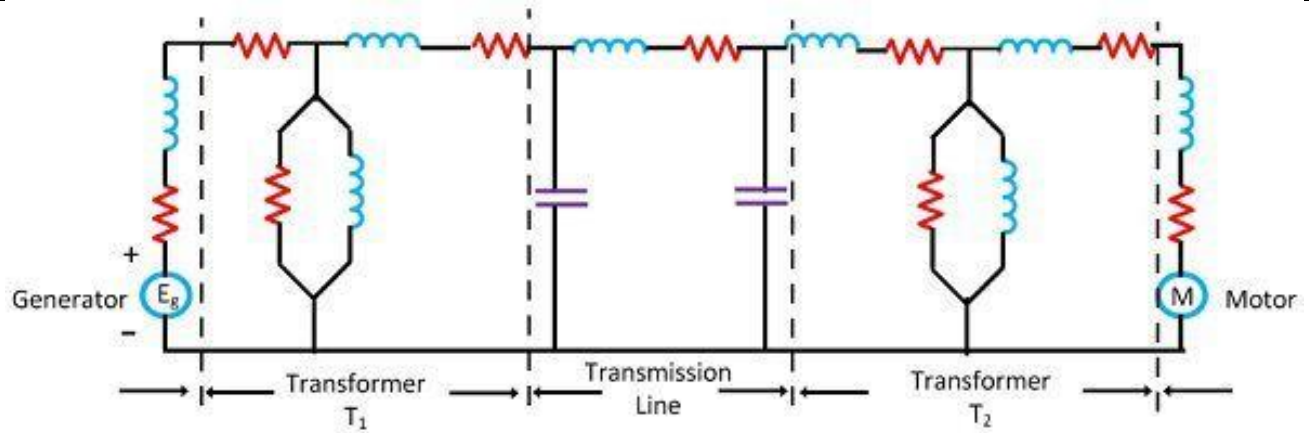


Figure –1

Note: As it's a group work so tasks should be distributed among all the members.



Impedance Diagram For The Power System

Circuit Globe

Figure – 2

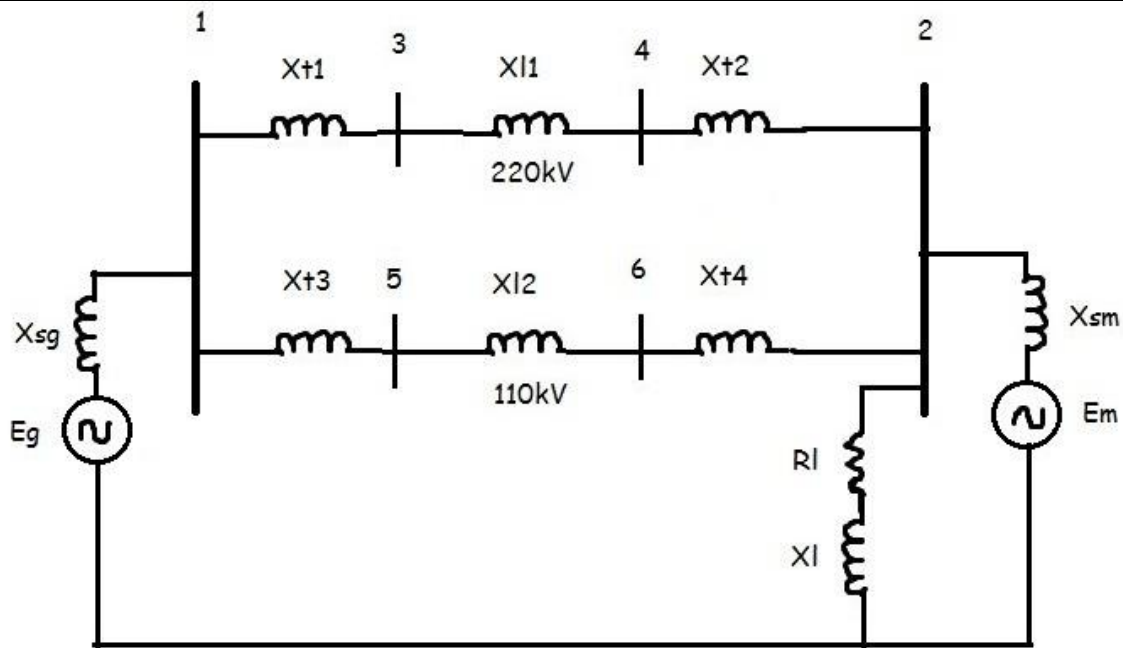


Figure – 3

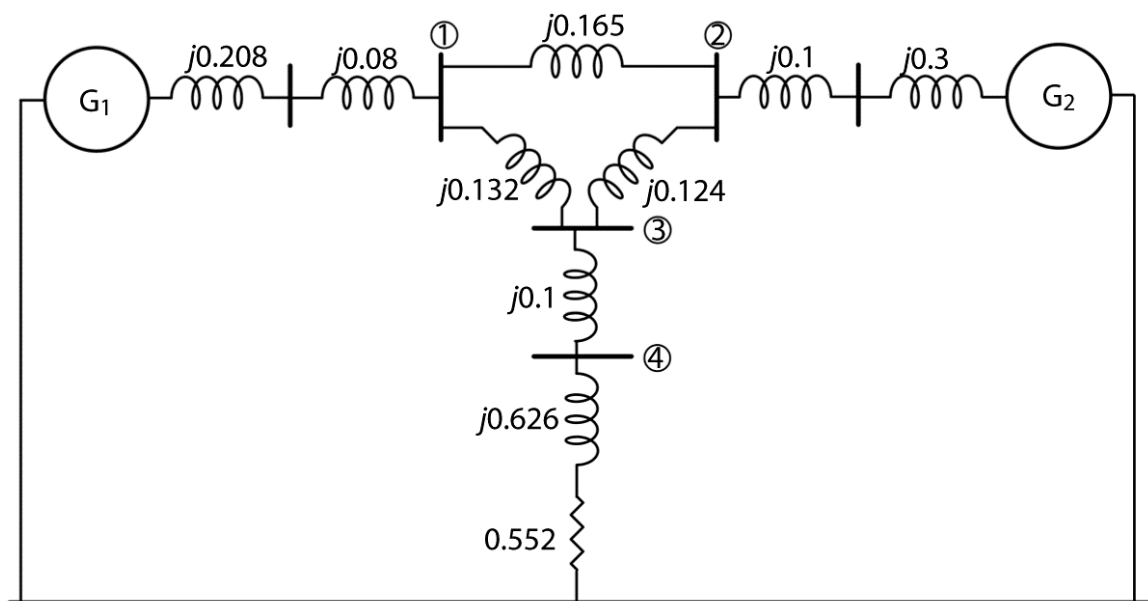


Figure – 4

Note: As it's a group work so tasks should be distributed among all the members.

Group List

Group # 1	21-44550-1	NOOR, NUSRAT JAHAN
	21-44600-1	ZELAN, ARIK AHMED
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	20-42023-1	LEEON, MASUD RAIHAN
Group # 4	20-42139-1	HAQUE, TAHAMIDUL
	20-42158-1	TUBA, MARZANA BINTAY
Group # 5	20-42829-1	TRISHA, FABIHA TASNIM
	20-42846-1	ONY, ISTIAQ AHMED
Group # 6	15-30850-3	NILOY, NAHID HASSAN
	17-33798-1	TUSAR, MD. MAHMUDUL HASAN
Group # 7	17-35299-2	TOWFIQ, MAMUN HOSSAIN
	18-36592-1	KHAN, MD. SHAWON
Group # 8	19-41637-3	AHMED, RASEL
	20-41906-1	ISLAM, MD. ARAF
Group # 9	20-42184-1	ISLAM, SAMIU JAVED
	20-42458-1	RAHMAN, ABRAR
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	20-43495-1	ZHANDA, MD. MONZURUL KABIR
Group # 11	20-43575-1	ROY, PARTHA
	20-43681-2	SWARNA, SANJIDA AFROJ
Group # 12	20-43701-2	RAHMAN, FAIZUR
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Group # 18	20-42816-1	SAIKAT, SHAHRIAR AHMED
	20-43595-1	AL-TAHMID, TANVIR

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