

# SKEU2003

## Electrical Technology

### Assignment 3

Active Learning (Jigsaw Method)

In Class Activity

5% Mark

#### Instruction

1. All activities are conducted **in class**. All student will present the topic.
2. Absent student affects the individual mark and may affect group mark. Therefore, make sure your group member involves in this activity.
3. For the first activity, the person with the **same topic gather together** (Expert Group) and learn and discuss the corresponding topic.
  - a. The presentation made must include theory/concept as well as the correct unit/symbol used.
  - b. Include the important equation and diagram if available.
  - c. The presentation needs to be brief and comprehensive.
4. For the second activity, the person with the **same group gather together** (Home Group) and teach the group member according to the respective topic (Gallery Walk).
5. The third activity involve the **assessment of individual** student on their knowledge after the activity.

#### Activity

No.	Activity	Duration
1	Person with same topic gather and revise	1 Hour
2	Gather in group and teach group member	1.5 Hours
3	Assessment	0.5 minutes

### Detail Activity

No.	Activity	By	Date	Day	Start	End
1	Revise on the topic given in expert group.	Expert Group	11 Dec	Wed	8:00	8:20
	Write in mah-jong paper the detail. (paper and marker are given)				8:20	8:40
2	Expert group assemble the mah-jong paper	Home Group	12 Dec	Thu	2:00	2:10
	Home group goes to the resected topic shown below. The expert in the home group present the topic using the mah-jong paper made previously.				2:10	2:55
	Conclusion				Lecturer	3:00
3	Assessment using google form. (make sure to bring smartphone or laptop to take the online quiz)	Individual			3:15	3:45

### Home Group Presentation Schedule

Time	Topic								
	1	2	3	4	5	6	7	8	9
2:10	1	2	3	4	5	6			
2:15		1	2	3	4	5	6		
2:20			1	2	3	4	5	6	
2:25				1	2	3	4	5	6
2:30	6				1	2	3	4	5
2:35	5	6				1	2	3	4
2:40	4	5	6				1	2	3
2:45	3	4	5	6				1	
2:50	2	3	4	5	6				1

### List of Topic

Expert Group	Chapter	Topic
1	4 Magnetism	Magnetic field
2		Electrical to Mechanical Energy
3		Mechanical to Electrical Energy
4		Magnetic Field Intensity
5		Losses
6		Magnetic Circuit
7	5 Transformer	Theory of Transformer
8		Ideal Transformer
9		Real Transformer

### List of Names

Name	Home Group	Expert Group
Abdel Aziz Njoya Yuffon	1	1
Afiah Zafirah Binti Mohd Lotfi	1	2
Airil Bin Zulfikhar	1	3
Amir Zuhairie Bin Abdullah Sani	1	4
Bikele Noa Franck Le Brun	1	5
Chan Kuan Yi	1	6
Chin Ping Sheng	1	7
Deidree Alcy Aloysius	1	8
Foo Lai Suan	1	9
Ganga Thevi A/P Arul Kumaran	2	1
Haris Murshidi Bin Murad	2	2
Hazwani Binti Mohd Zahar	2	3
Inderpreet Kaur A/P Ajit Singh	2	4
Izyan Nurraymi Binti Mohamad Aziz	2	5
Leong Wei Tong	2	6
Mohamad Akmal Bin Mohd Shah	2	7
Mohamad Nazim Bin Hatta	2	8
Mohamad Sahir Bin Mohd Samsuri	2	9
Muhamad Alak Bin Azmi	3	1
Muhamad Fadzeli Bin Zainal	3	2
Muhamad Fahrurrazi Bin Zulkifli	3	3
Muhammad Aiman Syahmi Bin Harmizee	3	4
Muhammad Alif Ridhwan Bin Muhammad Rashdan	3	5
Muhammad Amin Akmal Bin Zainol	3	6
Muhammad Amirul Asyraf Bin Izam	3	7
Muhammad Amirul Bin Adnan	3	8
Muhammad Eirfan Qayyum Bin Junaidy	3	9
Muhammad Ezry Alif Bin Zainuddin	4	1
Muhammad Faez Bin Zainudin	4	2
Muhammad Falqiunas Bin Nor	4	3
Muhammad Raihan Bin Jamil	4	4
Muhammad Rusydi Bin Zunkepli	4	5
Muhammad Yunus Bin Johari	4	6
Musong Flowbet Dangi	4	7
Nabilah Binti Mohd Zahid	4	8
Nadiyah Nasuha Binti Yaacob	4	9
Namirrah Indi Syahshiyah	5	1
Nik Nur Aidil Fikri Bin Kamaruzaman	5	2
Nuha Najihan Binti Azmee	5	3

Nur Aisyah Binti Ismail	5	4
Nur Husna Izzati Binti Husni	5	5
Nur Iman Bin Abdul Razak	5	6
Nurul Haziqah Binti Zaipol	5	7
Nurul Izzah Binti Jamil	5	8
Pang Chian Chi	5	9
Rahmat Idham Bin Ramli	6	1
Ravind A/L Prathapan	6	2
Ros Lyana Putri Binti Ahmad	6	3
Siti Rahila Ruhaida Binti Ishak	6	4
Sitinur Binti Azman	6	5
Syed Naqib Aiman Bin Syed Ibrahim	6	6
Umairah Rasyidah Binti Abu Bakar	6	7
Walter Anak Boniface Alin	6	8
Wan Abdul Azim Bin Bakhri	6	9
Wan Muhammad Syahmi Bin Wan Zul Khalid	1	5
Wong Liang Xuan	3	7
Yogen Raa0 A/L Rama Rao	5	7