

KIE4001 LAB 7 (Semester 2, 2023/2024)

No.	Experiment	Location	Group	Day	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14	Lab Report	
1	P7: LOAD FLOW ANALYSIS (Open-ended) PIC: Dr. Nurulafiqah Nadzirah afiqah.mansor@um.edu.my	Anywhere (Software)	1	Monday (2-4 PM)		A1-A10												Required, combine P7 and P9 into 1 lab report	
			2	Tuesday (2-4 PM)		B1-B6													
			3	Thursday (2-4 PM)		C1-C10													
2	P9: UNSYMMETRICAL FAULT (Open-ended) PIC: A.P. Dr. Hazlee Azil Illias h.illias@um.edu.my	Anywhere (Software)	1	Monday (2-4 PM)		A1-A10													Required, combine P5 and CM11 into 1 lab report
			2	Tuesday (2-4 PM)		B1-B6													
			3	Thursday (2-4 PM)		C1-C10													
3	P5: DIFFERENTIAL RELAY PROTECTION PIC: Dr. Nurulafiqah Nadzirah afiqah.mansor@um.edu.my	Power Lab (Level G, Block Y)	1	Monday (2-4 PM)			A1	A2		A4	A5	A6	A7	A8	A9			Required, combine DSP3 and DSP5 into 1 lab report	
			2	Tuesday (2-4 PM)			B1	B2		B4	B5	B6	B7	B8	B9	B10			
			3	Thursday (2-4 PM)				C1		C3	C4	C5	C6	C7		A10			
4	CM11: MODULATION AND DEMODULATION FOR ASK AND FSK PIC: Dr. Effariza Hanafi effarizahanafi@um.edu.my	Communication Lab (Level 3, Block Y)	1	Monday (2-4 PM)			A2	A3		A5	A6	A7	A8	A9	A10				Required, combine KW10 and KW11 into 1 lab report
			2	Tuesday (2-4 PM)			B2	B3		B5	B6	B7	B8	B9	B10	B1			
			3	Thursday (2-4 PM)				C2		C4	C5	C6	C7	C1	A1				
5	DSP3: IMAGE PROCESSING PIC: Dr. Norrima Mokhtar norrimamokhtar@um.edu.my	Signal System Lab (Level G, Block Y)	1	Monday (2-4 PM)			A3	A4		A6	A7	A8	A9	A10	A1			Required, combine DSP3 and DSP5 into 1 lab report	
			2	Tuesday (2-4 PM)			B3	B4		B6	B7	B8	B9	B10	B1	B2			
			3	Thursday (2-4 PM)				C3		C5	C6	C7	C2	C1		A2			
6	DSP5: SIGNAL PROCESSING (Open-ended) PIC: Dr. Norrima Mokhtar norrimamokhtar@um.edu.my	Signal System Lab (Level G, Block Y)	1	Monday (2-4 PM)			A4	A5		A7	A8	A9	A10	A1	A2				Required, combine DSP3 and DSP5 into 1 lab report
			2	Tuesday (2-4 PM)			B4	B5		B7	B8	B9	B10	B1	B2	B3			
			3	Thursday (2-4 PM)				C4		C6	C7	C1	C2	C3		A3			
7	KW10: IMPLEMENT VALMET TEMPLATE TO GENERATE I/OS SYSTEM AND LOGIC (DIGITAL) PIC: A.P. Dr. Mahidzal mahidzal@um.edu.my	Pestech Lab (Level 3, Block Y)	1	Monday (2-4 PM)			A5	A6		A8	A9	A10	A1	A2	A3			Required, combine KW10 and KW11 into 1 lab report	
			2	Tuesday (2-4 PM)			B5	B6		B8	B9	B10	B1	B2	B3	B4			
			3	Thursday (2-4 PM)				C5		C7	C1	C2	C3	C4		A4			
8	KW11: IMPLEMENT VALMET TEMPLATE TO GENERATE I/OS SYSTEM AND LOGIC (ANALOGUE) PIC: A.P. Dr. Mahidzal mahidzal@um.edu.my	Pestech Lab (Level 3, Block Y)	1	Monday (2-4 PM)			A6	A7		A9	A10	A1	A2	A3	A4				Required, combine KW10 and KW11 into 1 lab report
			2	Tuesday (2-4 PM)			B6	B7		B9	B10	B1	B2	B3	B4	B5			
			3	Thursday (2-4 PM)				C6		C1	C2	C3	C4	C5		A5			

Week 6 Replacement
Wed – 2 to 4pm – W4-A3

Experiment	Day/Time	Week	Group
P5: DIFFERENTIAL RELAY PROTECTION PIC: Dr. Nurulafiqah Nadzirah afiqah.mansor@um.edu.my	Wed 2-4pm	W4	A3
P5: DIFFERENTIAL RELAY PROTECTION PIC: Dr. Nurulafiqah Nadzirah afiqah.mansor@um.edu.my	Wed 2-4pm	W5	B3
P5: DIFFERENTIAL RELAY PROTECTION PIC: Dr. Nurulafiqah Nadzirah afiqah.mansor@um.edu.my	Wed 2-4pm	W7	C2
CM11: MODULATION AND DEMODULATION FOR ASK AND FSK PIC: Dr. Effariza Hanafi effarizahanafi@um.edu.my	Wed 2-4pm	W8	A4
CM11: MODULATION AND DEMODULATION FOR ASK AND FSK PIC: Dr. Effariza Hanafi effarizahanafi@um.edu.my	Wed 2-4pm	W9	B4
CM11: MODULATION AND DEMODULATION FOR ASK AND FSK PIC: Dr. Effariza Hanafi effarizahanafi@um.edu.my	Wed 2-4pm	W10	C3

Experiment	Day/Time	Week	Group
DSP3: IMAGE PROCESSING PIC: Dr. Norrima Mokhtar norrimamokhtar@um.edu.my	Wed 2-4pm	W4	A5
DSP3: IMAGE PROCESSING PIC: Dr. Norrima Mokhtar norrimamokhtar@um.edu.my	Wed 2-4pm	W5	B5
DSP3: IMAGE PROCESSING PIC: Dr. Norrima Mokhtar norrimamokhtar@um.edu.my	Wed 2-4pm	W7	C4

Experiment	Day/Time	Week	Group
DSP5: SIGNAL PROCESSING (Open-ended) PIC: Dr. Norrima Mokhtar norrimamokhtar@um.edu.my	Wed 2-4pm	W4	A6
DSP5: SIGNAL PROCESSING (Open-ended) PIC: Dr. Norrima Mokhtar norrimamokhtar@um.edu.my	Wed 2-4pm	W5	B6
DSP5: SIGNAL PROCESSING (Open-ended) PIC: Dr. Norrima Mokhtar norrimamokhtar@um.edu.my	Wed 2-4pm	W7	C5

Experiment	Day/Time	Week	Group
KW10: IMPLEMENT VALMET TEMPLATE TO GENERATE I/O SYSTEM AND LOGIC (DIGITAL) PIC: A.P. Dr. Mahidzal mahidzal@um.edu.my	Wed 2-4pm	W4	A7
KW10: IMPLEMENT VALMET TEMPLATE TO GENERATE I/O SYSTEM AND LOGIC (DIGITAL) PIC: A.P. Dr. Mahidzal mahidzal@um.edu.my	Wed 2-4pm	W5	B7

KW10: IMPLEMENT VALMET TEMPLATE TO GENERATE I/OS SYSTEM AND LOGIC (DIGITAL) PIC: A.P. Dr. Mahidzal mahidzal@um.edu.my	Wed 2-4pm	W7	C6
Experiment	Day/Time	Week	Group
KW11: IMPLEMENT VALMET TEMPLATE TO GENERATE I/OS SYSTEM AND LOGIC (ANALOGUE) PIC: A.P. Dr. Mahidzal mahidzal@um.edu.my	Wed 2-4pm	W4	A8
KW11: IMPLEMENT VALMET TEMPLATE TO GENERATE I/OS SYSTEM AND LOGIC (ANALOGUE) PIC: A.P. Dr. Mahidzal mahidzal@um.edu.my	Wed 2-4pm	W5	B8
KW11: IMPLEMENT VALMET TEMPLATE TO GENERATE I/OS SYSTEM AND LOGIC (ANALOGUE) PIC: A.P. Dr. Mahidzal mahidzal@um.edu.my	Wed 2-4pm	W7	C7

Week	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13	W14
Monday	18-Mar-2024	25-Mar-2024	1-Apr-2024	15-Apr-2024	22-Apr-2024	29-Apr-2024	6-May-2024	13-May-2024	20-May-2024	27-May-2024	*3-Jun-2024	10-Jun-2024
Tuesday	19-Mar-2024	26-Mar-2024	2-Apr-2024	16-Apr-2024	23-Apr-2024	30-Apr-2024	7-May-2024	14-May-2024	21-May-2024	28-May-2024	4-Jun-2024	11-Jun-2024
Thursday	21-Mar-2024	*28-Mar-2024	4-Apr-2024	18-Apr-2024	25-Apr-2024	2-May-2024	9-May-2024	16-May-2024	23-May-2024	30-May-2024	6-Jun-2024	13-Jun-2024

Notes:

- For **software-based** experiments (P7,P9), all students can perform the experiment **anytime** every week.
- For **software-based** experiments (P7,P9), **every student MUST SUBMIT the simulation results** (results in PDF file and the simulation file in the original format e.g. PSpice/PowerWorld file) to the Spectrum **before the deadline**.
- For **ALL** experiments, only **1 LAB REPORT per group** is required for submission to the Spectrum. The name of students for every lab report shall follow the lab group number (as shown in the next page).
- Refer to Spectrum for **submission deadline**.
- Any questions related to the experiment, please contact the person in charge (PIC) directly.
- Semester break: **8-Apr-2024 to 12-Apr-2024**

* Public holidays: Nuzul Al-Quran (28 Mac 2024), Eidul Fitri (10-11 April 2024), Labour Day (1 May 2024), Wesak Day (22 May 2024), His Majesty's King's Birthday (3 June 2024)

Lab Grouping for KIE4001 LAB 7 (Semester 2, 2023/2024)

No.	No. Matrik	Nama	occ1
1	17202315/2	PUTERI ARYSHA SURAYA BINTI MUHAMMAD SUHAIRI	a1
2	17202739/2	MOHAMAD NAZIF BIN JAILANI	a2
3	17202758/2	MUHAMMAD AZIM FARHAN BIN ABD RAZAK	a3
4	17202904/2	AISYA IZZATY BINTI RAZALI	a4
5	17202953/2	MUHAMMAD 'ABID DANIAL BIN MOHD HAFIDZ	a5
6	17203053/2	AIMAN AFIQ BIN YAAKOP	a6
7	17203268/2	NUHA ADIBA BINTI MOHD RIDZUAN	a7

8	17204359/2	AWANG SHAHRIZAN BIN AWANG ABDUL RAHMAN	a8
9	17204609/2	MUHAMMAD AFIQ IRFAN BIN MURYADI	a9
10	17204820/2	AHMAD AQHBAR BIN SHAIFUL KHARIDAN	a10
11	17205024/2	MUHAMMAD ALIFF IZHAM BIN JAMALUDIN	a1
12	17205302/2	MUHAMAD FAIQ AIMAN BIN MAT YAJID	a2
13	17205591/2	MUHAMMAD IRFAN BIN ZAHIRAN	a3
14	17205792/2	NUR MAISARAH BINTI MUKSALMINA	a4
15	17206047/2	MUHAMMAD HAZIQ IMRAN BIN MOHD ZAMRI	a10
16	17207016/2	AIN NUR ATHIRAH BINTI AMINUDDIN	a6
17	17207169/2	EQMAL DANIAL BIN EHSAN	a7
18	17207593/2	MUHAMAD AIMAN BIN MOHD ZEKLIN	a8
19	S2016348/1	BRYAN LEONG WENG HONG	a9
20	S2028396/1	ZAMIL MUAZAM BIN ABDUL KAHAR	a5
21	S2029477/1	MUHAMAD ARIF BIN BUKHARI	a1
22	S2031189/1	CHIN ZE HAU	a2
23	U2003823/1	TEH KAI LOON	a3
24	U2003829/1	CHOONG SHI HONG	a4
25	U2003847/1	NOEL NG PANG WANG	a5
26	U2003860/1	CHONG KAI JIE	a6
27	U2003861/1	TAN CHUN WEI	a7
28	U2003883/1	TAN SHI HONG	a8
29	U2003884/1	TEO JIN KANG	a9
30	U2003886/1	LIM ZU YING	a10
31	U2003956/1	TENGGU ZAFRANC LONG BIN TENGGU LONG HANIFF	a1
32	U2003964/1	LOW YI JOE	a2
33	U2003990/1	JOSHUA LIM KIM YEW	a3
34	U2004003/1	NG CHIA CHEN	a4
35	U2004017/1	CHONG CHEA GEE	a5
36	U2004028/1	LEE WEN JUN	a6

No.	No. Matrik	Nama	occ2
1	17203826/2	MUHAMMAD SHAMEEL BIN ABDUL HAMID	b1
2	17203890/2	MUHAMMAD SYAMIL BIN ROSLAN	b2
3	17205062/2	MUHAMMAD LUQMANHAKIM BIN MOHD AFFEDI	b3

4	17205197/2	MUHAMMAD AIDIL AKASHA BIN AZMI	b4
5	17205650/2	ABDUL HADI BIN ABDUL KAHAR	b5
6	17206094/2	MOHAMMAD NORFIRDAUS BIN SULAIMAN	b6
7	17206338/2	MUHAMMAD FAKRUL NIZAM BIN MOHD ZAHID	b7
8	17206353/2	MUHAMMAD AIMAN BIN MOHD NAZRI	b8
9	17206666/2	MUHAMMAD IKRAM BIN ABD NASIR	b9
10	S2017117/1	LAY MUN HIN	b10
11	S2017279/1	TAN XIN XIU	b1
12	S2020494/1	ROSHINAN A/L CHANDRAMOHAN	b2
13	S2022489/1	ADRIAN QUAH WEI MING	b3
14	S2029696/1	MUHAMMAD HAIKAL BIN MOHD ZAKI	b10
15	S2030141/1	TEH KAI WEN	b5
16	U2003822/1	CHOW YEW YUNG	b6
17	U2003853/1	CHEW CHIN KEAT	b7
18	U2003856/1	NG YI ZHI	b8
19	U2003867/1	KOH KAI YI CELINE	b9
20	U2003887/1	NG HAO WEI	b10
21	U2003894/1	LEE SHEN NI	b1
22	U2003900/1	CHIA JIA XUAN	b2
23	U2003911/1	LIM TZE RON	b3
24	U2003912/1	KHAW LIN KOON	b4
25	U2003917/1	TEOH CHI YANG	b5
26	U2003919/1	YAP JING BO	b6
27	U2003934/1	SAMPRAS NG YU HONG	b7
28	U2003935/1	CHIN KAI LI	b8
29	U2003937/1	LIM HONG WEI	b9
30	U2003947/1	YOANES YEO	b10
31	U2003966/1	CHAN YIN YONG	b1
32	U2003976/1	THISHEN A/L KAMALESWARAN	b2
33	U2003991/1	TAN YUNG WEI	b3
34	U2004004/1	KOAY ZHENG YIN	b4
35	U2004016/1	GOH LIK KING REGAN	b5
36	U2004022/1	CHONG RENYI	b6

No.	No. Matrik	Nama	occ3
1	17066951/2	MUHAMMAD LUQMAN HAKEEM BIN MOHD KHASAN	c1
2	17191124/2	ASYRAF NA'IM BIN AKLA	c2
3	17202783/3	AMIRUL IMRAN BIN ROSLAN	c3
4	17202988/2	SAIYED HARITH BIN SAIYED ISMAIL	c4
5	17203393/2	NUR NIDA HUSNA BINTI ZAMANI	c5
6	17203444/2	MUHAMMAD HILLMY BIN ABDUL RAHIM	c6
7	17203467/2	MUHAMMAD AIMAN BIN MOHD ARA	c7
8	17205421/2	FIDA'UDDIN BIN FAIZOL FADZLI	c1
9	17205609/2	MUHAMMAD ZAL ZIKRI BIN MOHD RODZI	c2
10	17205838/2	TUAN SHAFIQ AIMAN BIN TUAN SHAMSUL AZMAN	c3
11	17206276/2	MUHAMMAD ADEEB ZIKRI BIN MOHD SYABANI	c4
12	17206309/2	ISKANDAR BIN SOFIAN	c5
13	17206402/2	MUHAMMAD FAIZ HILMI BIN YUSANIZAN	c1
14	17206869/2	HAFEEZAH BINTI WAIDI	c7
15	17207023/2	AHMAD NAQIB BIN TARMIZI	C6
16	17207220/2	NUR AIN NABILA BINTI AHMAD NIZAL	c2
17	17207352/2	MYSON VALEN TEOH XIONG HUI	c3
18	17207481/2	ALFIN HIDAYAT BIN AZMIR REDZA	c4
19	S2021333/1	FURQAN MEHBOOB KHAN	c5
20	U2003836/1	CHOW JIT CONG	c6
21	U2003941/1	CHIN ZHI QI	c7
22	U2003943/1	HON JIA JET	c6
23	U2004029/1	TANG KIT YEE	c2