

Fakulti: FAKULTI KEJURUTERAAN ELEKTRIK	
Nama Matapelajaran: MAKMAL KEJURUTERAAN ELEKTRIK	Semakan : 1 Tarikh Keluaran : 2015 Pindaan Terakhir : 2007 No. Prosedur : PK-UTM-FKE-(0)-10
Kod Matapelajaran : SKEL 3742	



SKEL 3742

**FAKULTI KEJURUTERAAN ELEKTRIK
UNIVERSITI TEKNOLOGI MALAYSIA
SKUDAI, JOHOR**

**DIGITAL COMMUNICATION LABORATORY
STUDENT PACK**

QPSK Modulation and Demodulation

Disediakan oleh :	Disahkan :	Head of Department
Nama :	oleh :	Nama :
Dr. Kamaludin Mohamad Yusof	Prof. Madya Dr. Norazan Bin Mohd Kassim	
Tandatangan :	Tandatangan :	
Cop :	Cop :	
Tarikh :	Tarikh :	
10 March 2015		

Problem Solving Time-line

No.	Activities	Week 1	Week 2	Week 3	Week 4
1.	Understand the given task. Identify what are needed and brainstorming for ideas. Identify the tools and procedures that will be used. Refer to available published work for literature and guidance for rectifying a problem.	●			
2.	Present the ideas to facilitator. Start preliminary study on designing digital communication system and simulation.		●		
3.	Implementation of digital communication system on USRP. Compare the measured data with simulation data.			●	
4.	Report Writing and submission.				●

Software: GNURadio, Labview, Matlab

Report Writing:

Your report should include the site survey finding and the suggestion to solve the problem rectified. For this Laboratory Project, the report format is based on the **IEEE Technical Paper** writing format. This technical report must not be more than **Eight (8) pages**.

PLEASE SUBMIT YOUR TECHNICAL REPORT AS SCHEDULE.

Notes:

- (i) Each student must be able to work independently as well as in group. Participation of students will be monitored and access accordingly.
- (ii) Marks will be given for individual and group performance.
- (iii) All work done must be recorded in a log book. At the end of the project each group must submit a **project report**.