STEP TO FABRICATE PCB (SINGLE SIDED / DOUBLE SIDED / MULTILAYER) **Single Sided Process Design Circuit** use Altium Protel, Eagle etc. **Multilayer Process Layout PCB** use Altium Protel, Eagle etc. Repeat until all Inner Layer are completed **Print Artwork Print Artwork** use Inkjet / Photoplotter use Inkjet / Photoplotter **Drill Alignment Hole Double Sided Process** use CNC Drilling Machine **Drill PCB Clean PCB** use CNC Drilling Machine with Board Brushing Machine **Clean PCB Dry PCB Clean PCB** use Board Dryer Machine with Board Brushing Machine with Board Brushing Machine **Plate The Drilling Holes Laminate Photoresist** use Through Hole Copper on both sides of PCB Plating **Dry PCB Clean PCB** Align Artwork use Board Dryer Machine on both sides of PCB with Board Brushing Machine **Dry PCB Expose Photoresist** use Board Dryer Machine use UV Exposure Unit **Laminate Photoresist Laminate Photoresist Develop Photoresist** use Hand Laminator on both sides of PCB use Developing Machine **Etch PCB** Align Artwork Align Artwork on both sides of PCB use Etching Machine use Artwork Light Box **Strip Photoresist** use Stripping Tank **Expose Photoresist Clean PCB** use UV Exposure Unit with Board Brushing Machine **Dry PCB Solder Mask Process** use Board Dryer **Develop Photoresist** use Developing Machine **Print Artwork Assemble Inner & Outer** use Inkjet / Photoplotter **Etch PCB** Layer of Multilayer PCB Make Silk Screen use Etching Machine **Press Multilayer PCB** for Solder Mask & Idents use Multilayer Press Silk Screen Solder Mask **Strip Photoresist Clean PCB** use Solder Mask Process use Stripping Tank with Board Brushing Machine **Dry Solder MAsk Dry PCB** use Oven use Board Dryer Machine **Clean PCB Silk Screen PCB Idents Drill PCB** with Board Brushing Machine use PCB Ident Process use CNC Drilling Machine **Dry Idents** use Oven **Dry PCB** use Board Dryer PCB LABORATORY **Department of Electrical Engineering PCB Complete** Faculty of Engineering, **University of Malaya**