



**Institute of Nano Electronic Engineering (INEE)  
UNIVERSITI MALAYSIA PERLIS (UniMAP)**

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**LAB USAGE FORM (QUOTATION)**

Please tick (✓) in the RELEVANT box.

<b>A. APPLICATIONS DETAIL :</b> <input type="checkbox"/> PAID USAGE <input type="checkbox"/> ONLY LAB ACCESS						
Name of Grant Owner /Applicants						
Staff no/Matric No						
Department/Faculty/institution						
Contact		Mobile		E-mail		
Designations Please circle the matter		Undergraduates / MSc / PhD / EXTERNAL UniMAP				
Project Leader/Supervisor						
Grant No/Vot						
Price	No of sample		Price per hour/sample		Total (RM)	

**B. SERVICES/ FACILITIES REQUESTED**

Please tick (✓) in appropriate box.

JEOL SEM		4/3/2 POINT PROBE		SPIN COATER		YELLOW BOOTH FACILITIES	
		DIELECTRIC ANALYZER		PHOTOLITHO/MASK ALIGNER		DEVICE FABRICATION	
SPECTROFLUOROMETER HORIBA FL3-11		HPM		Fabrications (WET BENCH)		ICP-RIE	
UV-VIS		FILMETRICS		MATERIAL PREPARATION LAB		EVAPORATOR	
		3D PROFILER				LPCVD	
AUTOCLAVE		pH-METER				RTP/RTA	
CENTRIFUGE				HUMIDITY OVEN		WET/DRY OXIDE FURNACE	
VORTEX MIXER				GRAVITY OVEN		PLASMA PREEN	
		Bio molecular Lab		VACUUM OVEN			

By signing this form, I take full responsibility for the payment of the services rendered:

Signature of Applicant  
Date:

Supervisor Signature & stamp  
Project Title:  
Grant/ Vote No:

**FOR INTERNAL USE ONLY:**

Approved by:

Date Received:.....

.....  
Director, INEE

Note:

\*Please submit this form with invoice commitment/ proof of payment before proceed with analysis.

\*For Internal payment, please pay to :TABUNG PENJANAAN PENDAPATAN INSTITUT KEJURUTERAAN NANO ELEKTRONIK [5045-00001]

\*For Non UniMAP user, payment made by Online or crossed cheque of "BENDAHARI UNIVERSITI MALAYSIA PERLIS",

BANK MUAMALAT 0901-0001234-71-0 Reference [5045-00001]. Please produced Prove of payment upon visiting the facilities.

JOMPAY UNIMAP BILLER CODE: 99994 REF-1: 5045-00001 REF-2: FORM REF NO

For D/O and INVOICE delivery purpose, please stated your mailing address:

**NAME :**  
**ADDRESS :**

**List of charging price. Please call and consult INEE Lab PIC for latest pricing.**

INSTRUMENT/EQUIPMENT	MODEL	INTERNAL (UniMAP) (RM)	EXTERNAL (RM)
SEM	JEOL JSM-6010LV	50	120
SPECTROFLUOROMETER	HORIBA FL3-11	50	100
UV/VIS SPECTROMETER	PERKIN ELMER LAMBDA 35	30	50
AUTOCLAVE	TOMY SX-500	100	150
CENTRIFUGE	EPPENDORF 5430R	20	40
VORTEX MIXER	BIOCOTE SA8	15	30
4/3/2 POINT PROBE	KEITLEY 2400 SOURCEMETER/KEITHLEY 6487 PICOAMMETER/VOLTAGE SOURCE	25	45
DIELECTRIC ANALYZER	NOVOCONTROL TECHNOLOGIES/ALPHA-A	30	50
HIGH POWER MICROSCOPE	OLYMPUS BX51	10	20
THIN FILM ANALYZER	FILMETRICS F20-UV	25	35
3D NANO PROFILER	PEMTRON HAWK 3D WT-250	30	50
pH-METER	pH-METER	20	40
SPIN COATER	MODEL WS-650MZ-23NPP	25 p/3hr	35 p/3hr
PHOTOLITHO/MASK ALIGNER	MIDAS MDA-400M	100	150
WET BENCH	FUME HOOD/SPIN COATER/HOT PLATE	25 p/3hr	35 p/3hr
MATERIAL PREPARATION LAB	Balance/shaker/ultrasonic/fume hood/DI water/MicroScopes	25 p/3hr	35 p/3hr
HUMIDITY OVEN	MEMMERT	25 p/day	25 p/day
GRAVITY/NATURAL CONV OVEN	PROTECH MODEL GOV-50	25 p/day	25 p/day
VACUUM OVEN	CONSTANCE	25 p/day	25 p/day
YELLOW BOOTH FACILITIES	MASK ALIGNER/SPIN COAT/WET ETCH	100 p/day	100 p/day
DEVICE FABRICATION (BENCH FEE)	ALL LAB AMENITIES	1500 upon completion	3500 upon completion
ICP-RIE	SAMCO MODEL RIE-10iP	200 per loading	300 per loading
EVAPORATOR	HHV AUTO 306	110 per loading	150 per loading
LPCVD	2000A	250 per loading	320 per loading
RTP/RTA	ForALL RTP model 100	60 per loading	110 per loading
WET/DRY OXIDE FURNACE	MODULAB	50 p/hr	90 p/hr
PLASMA PREEN	PLASMATIC SYSTEMS/ PLASMA- PREEN H-862	20 per loading	30 per loading
SHAKING INCUBATOR	N-BIOTEK NB-205	BIO MOLECULAR LAB AMENITIES	BIO MOLECULAR LAB AMENITIES
THERMO-SHAKER	BIOSAN TS-100		
MICRO CENTRIFUGE	WISESPIN CF-10		
GelElectrophoresis-Power Supplies/Laminar flow	Cleaver Scientific - nanoPAC-300	300 per loading	400 per loading