

Master of Engineering (Electrical) at LKC FES (Sg Long Campus)

Programme Structure

By Coursework and Project :

Coursework (Credit hours: 32) : 6 core + 3 electives; and

Project (Credit hours: 10)

Details of Courses:

No.	Course Code	Course Title	Type	Credit Hours
1	METG10303	Research Methodology	Core	3
2	MEEK16104	Electrical Machines and Drives	Core	4
3	MEEK16204	Electronics Power Converters	Core	4
4	MEEK16304	Power Systems and High Voltage Engineering	Core	4
5	MEEK25304	Electrical Building Services	Core	4
6	MEEK25404	Wind and Solar Power Engineering	Core	4
7	MEEK25110	Project	Core	10
8	MEXXYYY03	Elective	Elective	9

Elective (Choose THREE subjects only)

1. MEBH15303 Project Time, Cost and Quality Management
2. MEBH15403 Project Human Resource Management
3. MEBH15503 Project Risk and Procurement Management
4. MEBH16403 Project Financial Management
5. MEEK15203 Power Quality Control
6. MEEK15303 Power System Protection
7. MEEK25203 Nuclear Engineering
8. MEEK25603 Solar Thermal and Photovoltaic Engineering
9. MEEK26303 Control System Engineering
10. MEEK26403 Power Systems Stability and Control
11. MEEK26603 Power System Economics
12. METJ26603 Renewable Energy

Intakes: Jan, & May

Duration

Full-time - Minimum 1 year; Maximum 4 years

Part-time - Minimum 2 years; Maximum 6 years

Indicative Fee (RM)

Malaysian

Full-time: RM 18,100.00

Part-time: RM 18,700.00

International

Full-time: RM27,412.00

Head of Programme

Ir Dr Gobi A/L Vetharatnam

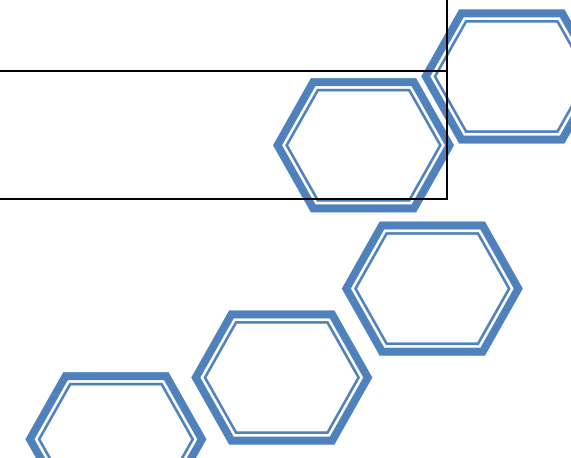
Email : gobiv@utar.edu.my

LIST OF QUALIFIED TEACHING LECTURERS/SUPERVISOR

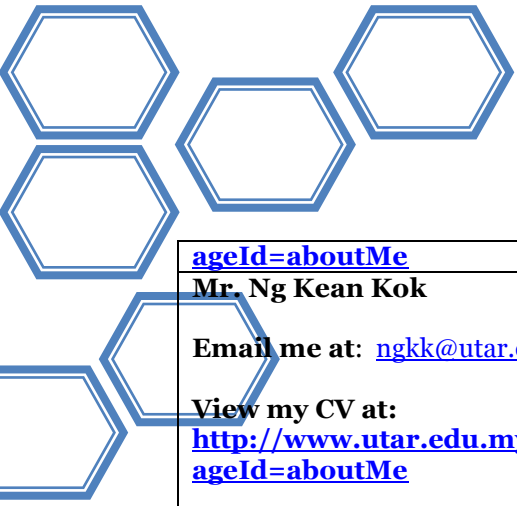
<p>Prof. Ir. Dr. Lim Yun Seng</p> <p>Email me at: ySlim@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=ySlim&reqPageId=aboutMe http://www.utar.edu.my/cv/index.jsp?cv=chongkk&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Electrical Engineering • Power Engineering • Renewable energy • Smart grid
<p>Dr. Stella Morris</p> <p>Email me at: stellam@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=stellam&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Energy Efficiency • FACTS devices and their control • Green energy • Power systems control • Power systems dynamics • Power systems reliability • Renewable energy • Soft computing
<p>Dr Chew Kuew Wai</p> <p>Email me at: chewkw@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=chewkw&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <p>Electric Vehicle Related Research:</p> <ul style="list-style-type: none"> • EV as distributed energy storage device that flatten the peak demand curve. • V2G and G2V communication protocol design and implementation for smart grid and EV. • Distance Estimation System for an EV. • Cell balancing and fault detection for EV's battery system. • Integration of SC into EV battery system to enhance the energy usage efficiency. • EV as center micro-grid for energy harvesting system and distribution. <p>Materials related research:</p> <ul style="list-style-type: none"> • Polymer electrolyte for lithium based polymer electrolyte • Novel biodegradable polymer system for lithium batteries.



<p>Mr King Yeong Jin</p> <p>Email me at: kingyj@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=kingyj&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none">• Acoustic and Vibration Measurement• Offshore Mechanical Technology• Research on Noise and Vibration
<p>Ir Wee Sie Toon</p> <p>Email me at: weest@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=weest&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none">• Electrical Building Services
<p>Dr Yong Thian Khok</p> <p>Email me at: yongtk@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=yongtk&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none">• Digital Holography• Optical and Holographic Sensors• Organic LED• Thin Film Coating (e.g. pulsed laser deposition, sputtering, ...)
<p>Prof Dr Chong Kok Keong</p> <p>Email me at: chongkk@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=chongkk&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none">• Energy• Astrophysics and telescope• Concentrating Solar Power• Concentrator Photovoltaic System• Laser optics• Solar photovoltaic• Solar thermal processes• Sun-tracking system
<p>Dr Tan Eng Kiang</p> <p>Email me at: tanek@utar.edu.my</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none">• Condensed Matter Physics: Ferroelectrics• Foundations of Quantum Mechanics



<p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=tanek&reqPageId=aboutMe</p>	<ul style="list-style-type: none"> • Quantum Measurement • Quantum Optics
<p>Dr Ezra Morris Abraham Gnanamuthu</p> <p>Email me at: ezram@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=ezram&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Digital Signal Processing • Data Communication • Power Line Communication • Smart grid
<p>Dr. Jun Hieng Kiat</p> <p>Email me at: junhk@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=junhk&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Nanomaterials • Polymer electrolyte • Sensitized-solar cell • EIS
<p>Ir. Dr. Lee Wah Peng</p> <p>Email me at: leewp@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=leewp&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Industrialised building system (IBS) • Quantity surveying • Project Management
<p>Mr. Lim Chai Chai</p> <p>Email me at: limcc@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=limcc&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Contract Administration • Construction Project Management • Procurement Management • Risk Management
<p>Mr. Tee Peck Ling</p> <p>Email me at: teepl@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=teepl&reqP</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none"> • Foreign Ownership • Firm Capital Structure • Stock Pricing Models



<p>ageId=aboutMe Mr. Ng Kean Kok</p> <p>Email me at: ngkk@utar.edu.my</p> <p>View my CV at: http://www.utar.edu.my/cv/index.jsp?cv=ngkk&reqPageId=aboutMe</p>	<p>RESEARCH AREA / EXPERTISE</p> <ul style="list-style-type: none">• Risk Management• Fair Value Accounting• Firm Capital Structure• Corporate Diversification Effects on Firm Value• Financial accounting and reporting practices• Corporate Social Responsibility
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