

**SKEM 4812 - Mechatronics Engineering
FYP1 Presentation Schedule**

Session : 1-A
Date : 17th December 2018 (Monday)
Venue : Meeting Room, P08-108

Time	Student	Title	Supervisor	Assessors
8:30	Emad Khalil Thakur	Development of a Model Robotic Arm	Ir. Dr. Kumeresen A. Danapalasingam	• Mr. Ahmad Ridhwan bin Wahab • Dr. Anita binti Ahmad • Dr. Mohamad Shukri Bin Zainal Abidin
8:45	Soo Zee Zhing	Speed Control of Permanent Split Capacitor Induction Motor	Ir. Dr. Kumeresen A. Danapalasingam	
9.00	Rajasekhar a/l Thanabalan	River Water Sampling System on Drone	Assoc. Prof. Dr. Leow Pei Ling	
9.15	Nagendrran a/l Seturaman	Moisture Control and Monitoring	Dr. Mohd Ariffanan Bin Mohd Basri	
9.45	Alvin Pui Kong Ping	Implementing sensory system to detect oil leakage in a power plant	Dr. Fatimah Sham binti Ismail	
10.00	Siti Syazwani Kushairi	Fault detection in bldc motor using iot system	Dr. Fatimah Sham binti Ismail	
10.15	Nur Izzati Mohd Jamal	RFID car identification	Dr. Khairul Hamimah binti Abas	
10.30	Labib Sharrar	Smart Vision-based HVAC system	Dr. Khairul Hamimah binti Abas	
	Break			

**C: Session chair*

Instructions to student:

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- 3) Please bring 3 copies (use double-sided printing) of seminar evaluation form FYP1-4 that can be downloaded from the FYP website.
the form to seminar panels.

Fill in all your particulars and give

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10:45	Nur Hafizah Atan	River Water Quality Sampling Detection	Assoc. Prof. Dr. Leow Pei Ling	• Dr. Fatimah Sham binti Ismail (C) • En. Mohd Shukri bin Abdul Manaf • Dr. Yeong Che Fai
11:00	Foong Siew Wei	Semi-Auto Oil Palm Fruit Harvesting Machine	Dr. Mohd Ariffanan Bin Mohd Basri	
11:15	Mohammad Ridzuan bin Jasman		Dr. Lim Cheng Siong	
11:30	Ahmad Aiman Bin Aziz	Pose Invariant Face Recognition	Mr. Ahmad Ridhwan bin Wahab	
11:45	Muhamad Amir Irfan Bin Hasbiyallah	Sign Language Recognition Using Computer Vision	Mr. Ahmad Ridhwan bin Wahab	
12:00	Chong Wei Khang	Automated Vision Inspection for Electronic Instrument	Dr. Anita binti Ahmad	
12:15	Nur Farahain Binti Abdul Kadir	Dog Repellant using Frequency	Dr. Anita binti Ahmad	
12:30	Izzah Fariyah Ali Muhammed	Recyclable ablutions water system for Muslim.	Dr. Anita binti Ahmad	
	End			

*C: Session chair

Session : 1-B

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SKEM 4812 - Mechatronics Engineering
FYP1 Presentation Schedule

Date : 18th December 2018 (Tuesday)

Venue : Meeting Room, P08-108

Time	Student	Title	Supervisor	Assessors
8:30	Mohd Azam Shah bin Hamzah	Smart Irrigation system	Dr. Khairul Hamimah binti Abas	• Prof. Dr. Zaharuddin bin Mohamed (C) • Assoc. Prof. Dr. Leow Pei Ling (Ir. Dr. Kumeresen A. Danapalasingam)
8:45	Hazhirah binti Mohamad Sharif	Motion Following Stroller	Dr. Shahdan bin Sudin	
9:00	Mohamad Alarif bin Jusman	Smart Traffic Light with IoT Monitoring	Dr. Shahdan bin Sudin	
9:15	Muhammad Mutaza Bin Mazlan	Automatic Control for Liquid Level System via PLC	Dr. Shafishuhaza Sahlan	
9:45	Mohamad Hazwan bin Mohd Kharani	Water Level Control for Quadruple Tank	Dr. Shafishuhaza Sahlan	
10:00	Nurfitri binti Muhamad Nasir	SCADA for liquid level water system	Dr. Shafishuhaza Sahlan	
10:15	End			

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Session : 1-B

Date : 17th December 2018 (Monday)

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Venue : Meeting Room, P08-108

15:45	Muhamad Hilman bin Zazali	Training Aid	Assoc. Prof. Dr. Salinda Bunyamin	• Dr. Khairul Hamimah binti Abas (C) • Assoc. Prof. Dr. Leow Pei Ling
16:00	Muhammad Safwan bin Rashid	OKU Parkir	Assoc. Prof. Dr. Salinda Bunyamin	
16:15	Muhammad Zulhafiz bin Zamri	Emergency Power Generator Kit Using Hybrid Energy Sources	Dr. Herman Wahid	
16:30	Muhammad Faris Al-Hafiz bin Zolkipli	Electricity Generation From Domestic Water Supply Pressure	Dr. Herman Wahid	
16:45	Halimatus Saadiah binti Razali	In-situ Portable System For Measurement of Laboratory-based Water Quality Parameters	Dr. Herman Wahid	
	End			

*C: Session chair

Session : 2-A
Date : 17th December 2018 (Monday)
Venue : Postgraduate Seminar Room, P08-108

Instructions to student:

- 1) Please be at the seminar venue 5 – 10 minutes before your session.
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FYP1 Presentation Schedule**

Time	Student	Title	Supervisor	Assessors
8:30	Muhamad Haffizie Bin Jusoh		Assoc. Prof. Dr. Rosbi bin Mamat	• Dr. Lim Cheng Siong (C) • Dr. Mohamad Amir Shamsudin • Assoc. Prof. Dr. Herlina binti Abdul Rahim
8:45	Muhammad Razzi bin Abu Amin	Defects Detection Using Machine Learning	Dr. Mohd Amri bin Md Yunus	
9.00	Mohammad Azamudin Mat Saad	Pick and Place Robot	Dr. Nurul Adilla Bt. Mohd Subha	
9.15	Tong Lai Keen	Modelling of Water Distribution System	Dr. Nurul Adilla Bt. Mohd Subha	
9.45	Muhammad Haziq Syazwan Bin Jamil	Automatic Self-stabilizing Platform	Mr. Nasarudin bin Ahmad	
10.00	Muhammad Nabil Bin Ishak	Auto Cleaner Robot	Mr. Nasarudin bin Ahmad	
10.15	BadrulHisham Bin Zamri	Fully Autonomous Harvesting Robot	Mr. Nasarudin bin Ahmad	
10.30	Thiruvanakarasu Doraisingam	The Blind People's Eyes	Prof. Dr. Zaharuddin bin Mohamed	
	Break			

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Session : 2-A
Date : 17th December 2018 (Monday)
Venue : Postgraduate Seminar Room, P08-108

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FYP1 Presentation Schedule**

10:45	Muhammad Faiq Mohamed Faisal	Control of a Flexible Robot Manipulator	Prof. Dr. Zaharuddin bin Mohamed	• Assoc. Prof. Ir. Dr. Norhaliza binti Abdul Wahab(C) • Dr. Nurul Adilla Bt. Mohd Subha • Assoc. Prof. Ir. Dr. Mohamed Sultan Bin Mohamed Ali
10:00	Muzaid bin Hashim	IoT Based Irrigation Controller For High Water Saving Agriculture	Dr. Mohamad Shukri bin Zainal Abidin	
10:45	Por Yu Kheng		Dr. Mohamad Amir Shamsudin	
11:00	Lokman bin Zulkifli	Smart Aircond Monitoring System	Assoc. Prof. Dr. Herlina binti Abdul Rahim	
11:15	Nik Muhammad Shazwan Bin Mohd Arjunaidi	Determining Irregular Room Area Using Lidar Sensor and Area Approximation Technique	Assoc. Prof. Dr. Herlina binti Abdul Rahim	
11:30	Amyza Najwa binti Tumian@Tokiman	Smart Trash Collector	Assoc. Prof. Dr. Sallehuddin bin Ibrahim	
11:45	Nurul Huda Binti Ahmad Badawi	Drunk Driver Detection System	Assoc. Prof. Dr. Sallehuddin bin Ibrahim	
12:00	Muhamad Hafizi Bin Sazili		Assoc. Prof. Dr. Rosbi bin Mamat	
	End			

**C: Session chair*

Session : 2-B
Date : 17th December 2018 (Monday)
Venue : Postgraduate Seminar Room, P08-108

Instructions to student:

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Time	Student	Title	Supervisor	Assessors
14:00	Siti Shafiqah Binti Suhaimi	Smart Pet Self-Supervisory System	Assoc. Prof. Ir. Dr. Norhaliza binti Abdul Wahab	- Assoc. Prof. Dr. Rosbi bin Mamat (C) - Dr. Sophan Wahyudi Bin Nawawi
14:15	Muhammad Ammar Rahman bin Mohamad Izham	Development of Water Filtration Control for Tank Cleaning System	Assoc. Prof. Ir. Dr. Norhaliza binti Abdul Wahab	
14:30	Lee Chang Yang	Triboelectric Microgenerator	Assoc. Prof. Ir. Dr. Mohamed Sultan Bin Mohamed Ali	
14:45	Wong Yi Jie	Soft Dielectric Elastomer Microactuator	Assoc. Prof. Ir. Dr. Mohamed Sultan Bin Mohamed Ali	
15:00	Soh Ghee Hou		Assoc. Prof. Ir. Dr. Mohd Ridzuan bin Ahmad	
15:15	Nur Fatien Najwa Bt Mohamad Narji		Assoc. Prof. Ir. Dr. Mohd Ridzuan bin Ahmad	
15:30	Break			

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15:45	Muhammad Irfan Hafiz bin Mad Sihad		Dr. Lim Cheng Siong	• Dr. Assoc. Prof. Dr. Salinda Bunyamin (C) • Dr. Shahdan bin Sudin
16:00	Muhammad Aiman bin Adam Lim	Vision Based Navigation for Balancing Robot	Dr. Mohamad Amir Shamsudin	
16:15	Muhammad Azimuiddin bin Mufid	Vision Based Control for UAV	Dr. Mohamad Amir Shamsudin	
16:30	Muhammad Khairin bin Rahim	PID Scheme for Balancing Robot	Dr. Mohamad Amir Shamsudin	
16:45	Kirenraj a/l Kumaravellu		Prof. Dr. Mohd Fua'ad bin Rahmat	
	End			

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SKEM 4812 - Mechatronics Engineering
FYP1 Presentation Schedule

Session : 3-A
Date : 17th December 2018 (Monday)
Venue : Applied Control Engineering Lab,
P08-411

8:30	Wan Mohammad Azfar Wan Aman	Modeling and Control of Hydraulic Actuator System	Prof. Dr. Mohd Fua'ad bin Rahmat	• Dr. Mohd Amri bin Md Yunus (C) • Assoc. Prof. Dr. Sallehuddin Bin Ibrahim
8:45	Muhammad Muhaimin Ramli	A microfluidic Device for Early Detection of Ammonia in River Water	Assoc. Prof. Ir. Dr. Mohd Ridzuan bin Ahmad	
9.00	Fatin Ellyana Nadira binti Rusli	Smart metering system	Assoc. Prof. Dr. Salinda Bunyamin	
9.15	Mohamad Addeen Hafizi Hariri	Leader Follower Robot for Cooperative Task Based on Two Ways Communications	Dr. Nurul Adilla Bt. Mohd Subha	
9.30	Dzul Hadie Bin Mahadzir	Electronic Keyboard Robot Player with Mobile Phone Interface	Prof. Dr. Yahaya Md Sam	
9.45	Noor Faridah bt Hasan	Voice Interaction in-Home Automation	Prof. Dr. Yahaya Md Sam	
9.50	Nur Farhanah binti Mazlan (FYP2)	-	Dr. Mohamad Hafis Izran Bin Ishak	
10.10	Faiz Fakhruddin bin Abdul Rahim (FYP2)	IMU and Encoder Based Navigation for Agrigultural Robot	Dr. Mohamad Shukri Bin Zainal Abidin	
10.30	Luqman Hakim bin Mohd Zolkipli (FYP2)	Automatic Rubber Tapping Device	Assoc. Prof. Ir. Dr. Norhaliza Abdul Wahab	
10.50	Mohamad Aniq bin Ahmad Nizan (FYP2)	Magnetic Energy Harvesting Based on Fidget Spinner	Assoc. Prof. Ir. Dr. Mohamed Sultan Bin Mohamed Ali	
	Demo FYP2			

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FYP1 Presentation Schedule**

Session : 3-A
Date : 18th December 2018 (Tuesday)
**Venue : Applied Control Engineering Lab,
P08-411**

Time	Student	Title	Supervisor	Assessors
8:30	Low Jie Min	Planar Electromagnetic Sensor For Water Contamination Detection	Dr. Mohd Amri bin Md Yunus	• Dr. Herman Wahid(C) • Dr. Shafishuhaza Sahlan
8:45	Mukhundan Pirabakaran	IoT enabled Flying Pest Trap System	Dr. Mohd Amri bin Md Yunus	
9.00	Abdul Rahman bin Mohd Amin		Dr. Sophan Wahyudi Bin Nawawi	
9.15	Abu Bakar Bin Jamiat		Dr. Sophan Wahyudi Bin Nawawi	
9.45	Azwad Abid	Object Recognition and Orientation Detection using Machine Learning	Dr. Yeong Che Fai	
10.00	Salehuddin Loke Asri Loke		Dr. Yeong Che Fai	
10.15	Muhammad Irham bin Hazlan		En. Mohd Shukri bin Abdul Manaf	
10.30	Muhammad Zahiruddin bin Zakaria		En. Mohd Shukri bin Abdul Manaf	
	Break			

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