

No.	Lecturer	Topics	
1	DR. A. HALIM BIN KADARMAN	1	
		2	
2	IR. DR. AHMAD FAIZUL BIN HAWARY	1	UAV airframe fabrication using composite material- design and analysis
		2	Optimization of UAV 3D flight path path navigation and planning
3	ASSOC. PROF. DR. AHMAD ZULFAA BIN MOHAMED KASSIM	1	Numerical investigation on the aerodynamics of vertical-axis turbine
		2	Experimental investigation on the aerodynamics of vertical-axis turbine
4	DR. 'AIFFAH BINTI MOHD ALI	1	Software-defined Radio GNSS Receiver Signal Tracking Analysis
		2	Study of LoRaWAN protocol performance for IoT applications
5	DR. ASLINA BINTI ANJANG AB RAHMAN	1	Flammability Performance of Natural Fibre Sandwich Composites
		2	Mechanical Performance of Natural Fibre Sandwich Composites
6	DR. CHANG WEI SHYANG	1	Two-phase CFD Simulations for Water Flow around Savonius Turbine
		2	Aerodynamic Analysis for Small scale Rocket
7	ASSOC. PROF. DR. ELMI BIN ABU BAKAR	1	Supervised Learning based Adaptive Filter for IC Engine Misfire Features
		2	Environmental Sensor based Outdoor Agro Plant Monitoring System
8	PROF. DR. FARZAD BIN ISMAIL	1	Aerodynamic study of VTOL fixed-wing UAV using CFD
		2	CFD Analysis of Turbine Wake Flow Using the Shallow Water Equations
9	DR. HO HANN WOEI	1	Vision-based Agile Flight of Micro Air Vehicles
		2	Deep Learning-based Palm Tree Detection with Drone Imagery
10	IR. DR. HUSSIN BIN MAMAT	1	Investigation of heat transfer characteristics using graphene in microchannels
		2	Investigation of heat transfer characteristics using graphene in solar panel
11	DR. MOHAMMAD HAFIFI HAFIZ BIN ISHAIK	1	Fluid Structure Interaction of the Effect Gold Wire Size on Led Encapsulation Process
		2	Simulation study on the performance of savonius turbines with dimples
12	DR. MOHAMMAD NISHAT AKHTAR	1	Development of Lightweight YOLO Model for Multiple Drone Detection
		2	Large Scale Computation Based Oil Palm Trees Detection from High Resolution Drone Images
13	DR. MOHD SHUKUR BIN ZAINOL ABIDIN	1	Palm based natural fibre composites
		2	Coconut based natural fibre composites
14	DR. NOORFAZREENA MOHAMMAD KAMARUDDIN	1	Development of Smoke Rake Configurations for Savonius Turbine
		2	Development of Flow Visualization for Savonius Turbine
15	DR. NORILMI AMILIA BINTI ISMAIL	1	Feasibility study and Preliminary design of Ashes Scattering Payload for HAB service
		2	Small satellite for Rocket Payload
16	DR. NORIZHAM BIN ABDUL RAZAK	1	Simulation of Airfoil with Lift Enhancement Device
		2	Wind Tunnel Experiment of Airfoil with Flow Control Mechanism
17	DR. NURUL MUSFIRAH BINTI MAZLAN	1	Nanoadditive on aircraft engine performance
		2	Nanoadditive on biojet fuel properties and spray characteristics
18	ASSOC. PROF. IR. TS. DR. PARVATHY A/P RAJENDRAN	1	Detect and Avoid Hardware/Software (Industry Grant- Biweekly Interaction with Industry)
		2	Aircraft Path Planning Algorithm (Industry Grant- Biweekly Interaction with Industry)
19	DR. POOYA LAHIJANI AMIRI	1	An investigation on performance characteristics of plastic-derived oil for aviation fuel
		2	Metal-decorated biochar as a potential adsorbent for carbon dioxide removal from flue gas
20	DR. SAFIAH BINTI ZULKIFLI	1	FMCW Radar Design and Analysis for Micro-UAV Detection
		2	Design and Analysis of Air Traffic Controller for Detection of UAV
21	DR. SARJIT SINGH SIDHU JUNIOR	1	Study on solid propellant processing factors.
		2	Characterization of solid propellant.
22	DR. SITI HARWANI BINTI MD. YUSOFF	1	Study on earthquake precursor using satellite and ground sensor
		2	Development of plasma probe instrument for in-situ measurement in the mesosphere layer.
23	DR. ZHOU YE	1	Reinforcement learning for autonomous path planning.
		2	Learning based optimal path tracking control of wheeled mobile robots.