

No.	Lecturer	Topic/Title	
1	IR. DR. AHMAD FAIZUL BIN HAWARY	1	Develop path planning software and ground station GUI that communicates and display flight controller data via MAVlink2.
		2	Hybrid VTOL UAV structural design and fabrication using composite materials.
		3	Flight controller design and integration for quadcopter
2	ASSOC. PROF. DR. AHMAD ZULFAA BIN MOHAMED KASSIM	1	The aerodynamics and rotor performance of a Darrieus turbine
		2	Optimizing the rotor performance of a Darrieus turbine using blade pitching
3	DR. 'AIFFAH BINTI MOHD ALI	1	Performance Analysis of Multi-GNSS on Dual-Frequency Low-Cost Receiver
		2	Implementation of LoRaWAN Sensor Network using UAV Gateway for IoT Applications
4	DR. ASLINA BINTI ANJANG AB RAHMAN	1	Influence of manufacturing method on the physical and mechanical properties of natural fibre composites.
		2	Development of inorganic intumescent fire protection coatings for a ductwork systems.
5	DR. CHANG WEI SHYANG	1	CFD analysis on effect of winglets for horizontal wind turbine blades
		2	CFD analysis on grid fins and cross-sectional shapes of sounding rockets
6	ASSOC. PROF. DR. ELMI BIN ABU BAKAR	1	Yield Performance Acquisition System of Non Destructive Machine using Homogenous Material type Scanning Array Probe (YPAS-NDT)
		2	Short Wave Frequency Techniques for Agro Products Monitoring System (SWFT-APMS)
7	PROF. DR. FARZAD BIN ISMAIL	1	CFD Study of the Savonius Turbine
		2	CFD Study of the Quadcopter Drone
		3	Developments of Well-Balanced Numerical Methods for the System of Shallow Water Equations
8	DR. HO HANN WOEI	1	Vision based Aerial Guidance for Air-to-Ground Collaborative Systems
		2	Multiple Gate Detection on Micro Air Vehicles using Monocular Vision
9	IR. DR. HUSSIN BIN MAMAT	1	Study of designation and material of beacon light on ATR Aircraft
		2	Stability and conduction mechanisms of graphene oxide/propylene glycol-water based nanofluid for thermal management
10	DR. MOHAMAD HANIFF BIN JUNOS	1	Satellite-Based Deep Learning for Enhanced Water Quality Monitoring
		2	Lightweight Object Detection Model for UAV-based Vehicle Detection using Convolutional Neural Network
11	DR. MOHAMMAD HAFIFI HAFIZ BIN ISHAIK	1	Study of structural integrity of Skyscanner drone by using computational fluid dynamics
		2	Effect on dimples on the performance of savonius turbines by using computational fluid dynamic
12	DR. MOHAMMAD NISHAT AKHTAR	1	Drone based smart agro-IoT system to detect diseased banana plant in real-time environment
		2	Development of an AI accelerator based system for high-speed face recognition
13	DR. MOHD SHUKUR BIN ZAINOL ABIDIN	1	Mechanical properties for palm fibre polymer composites via resin infusion and resin transfer moulding
		2	Mechanical properties for coconut fibre polymer composites via resin infusion and resin transfer moulding
14	DR. NORILMI AMILIA BINTI ISMAIL	1	Design and Fabrication Implementation of a Helmholtz Cage for Precision Attitude Control Testing of Small Satellites
		2	ForestGuard: A GPS-Based Staff Tracking System for Forest Monitoring
15	ASSOC. PROF. DR. NORIZHAM BIN ABDUL RAZAK	1	Wind tunnel testing of a wind turbine blade profile with active flow control mechanism
		2	Flexural properties of natural fiber reinforced composite exposed to weathering conditions
16	DR. NURUL MUSFIRAH BINTI MAZLAN	1	Numerical investigation on the impact of Al ₂ O ₃ nanoparticles in Jet-A and Hydrotreated Vegetable Oil on aircraft engine performance
		2	Combustion characteristics of a single droplet of Hydrotreated Vegetable Oil blended with Al ₂ O ₃ nanoparticles in a simple cylindrical combustor
17	ASSOC. PROF. IR. TS. DR. PARVATHY A/P RAJENDRAN	1	CFD - Hybrid UAV
		2	Solar Modelling
18	DR. SAFIAH BINTI ZULKIFLI	1	Simulation of FMCW Radar Altimeter for Terrain Detection and Altitude Measurement
		2	Investigating Micro-Doppler Signature for Discriminative Analysis of Micro-UAV Categories and Behaviour Patterns
19	DR. SARJIT SINGH SIDHU JUNIOR	1	Combustion characteristics of composite solid propellants
		2	Study on ignition effectiveness in multigrain motor
20	DR. SITI HARWANI BINTI MD. YUSOFF	1	Integration and testing for TeNeP sensor on satellite platform
		2	Feasibility study on very low atmospheric satellite for climate monitoring
21	DR. ZHOU YE	1	Online Motion Planning of Micro Air Vehicles for Following Multiple Desired Targets
		2	Adaptive Control for Visually Guided Navigation of Ground Vehicles