



FINAL YEAR PROJECT TALKS - TIMETABLE
17th June 2024 at the Valletta Campus

8.30-9.00 Registration															
ROOM 2						ROOM 3					ROOM 4				
Time	Student	Supervisor	CoSupervisor	Reader	Assessor	Student	Supervisor	CoSupervisor	Reader	Assessor	Student	Supervisor	CoSupervisor	Reader	Assessor
<i>Session A1</i>						<i>Session B1</i>					<i>Session C1</i>				
<i>CONVENOR: D. Camilleri</i>						<i>CONVENOR: A. Rochman</i>					<i>CONVENOR: B. Attard</i>				
9.00-9.20	Galea Roberto	D. Camilleri	C. De Marco	P. Mollicone	S. Abela	James Galea	A. Rochman		P. Vella	S. Briffa	Buhagiar Luigi	B. Attard	G. Cassar	A. Agius Anastasi	E.Francalanza
9.20-9.40	Muscat Nicholas	P. Mollicone		Z. Sant	S. Abela	Al- Siyabi	A. Rochman		P. Vella	S. Briffa	Sciberras Andrew Anthony	D. Vella	M. Grima	J.Buhagiar	E.Francalanza
9.40-10.00	Mercieca Keith	M. A. Saliba		D. Camilleri	M. Grech	Adrian Mercieca	P.J. Farrugia		J.C.Borg	S. Briffa	Galea Sarah	B. Mallia		D. Vella	P. Refalo
10.00-10.20						Al- Rawahi	J.C. Borg		P.J. Farrugia	S. Briffa					
10.20-10.50 Coffee Break															
<i>Session A2</i>						<i>Session B2</i>					<i>Session C2</i>				
<i>CONVENOR: J.P. Mollicone</i>						<i>CONVENOR: Z. Sant</i>					<i>CONVENOR: A. Agius Anastasi</i>				
10.50-11.10	Rotin Victoria	J. P. Mollicone	C. Micallef	M. Farrugia	J. Buhagiar	Naudi Timothy	P. Mollicone		M. Saliba	B. Mallia	Bonello Timothy	A. Agius Anastasi	D. Vella	B. Attard	P. Vella
11.10-11.30	Ellul Dylan	J. P. Mollicone		M. Farrugia	J. Buhagiar	Bianco Jake	M. A. Saliba	D. Camilleri	P. Mollicone	B. Mallia	Mallia Sean	D. Vella	A. Agius Anastasi	S. Briffa	P. Vella
11.30-11.50	Fenech Andrew	M. Farrugia		J.P. Mollicone	J. Buhagiar	Al-Aghbari Hemed Hamood Saif	Z. Sant		M. Saliba	B. Mallia	Nicholas Sciberras	P. Farrugia	M. Attard Pizzuto	J.C. Borg	A.Agius Anastasi
11.50-12.10	Zammit Justin	S.Mizzi		J.P. Mollicone	S. Abela	Boffa Stephen Paul	C. De Marco		D. Camilleri	M. Grech	Frank Cassar	J. Zammit		E.Francalanza	A.Agius Anastasi
12.10-12.30	Mifsud Luca Andrea	M. Farrugia	K. Scerri	C. Micallef	S. Abela	Mercieca Matthew	Z. Sant		C. De Marco	A. Rochman	Joseph Mifsud	E.Francalanza	P. Vella	J.Zammit	A.Agius Anastasi
12.30-14.00 Lunch Break															
<i>Session A3</i>						<i>Session B3</i>					<i>Session C3</i>				
<i>CONVENOR: C. Micallef</i>						<i>CONVENOR: E. Francalanza</i>					<i>CONVENOR: M. Grech</i>				
14.00-14.20	De Marco Sean	C. Micallef		S. Mizzi	J.C. Borg	Jake Treeby Ward	P. Refalo	A. Rochman	E.Francalanza	B. Attard	Azzopardi Philip	J. Buhagiar	M. Grech	B. Mallia	Z. Sant
14.20-14.40	Zammit German Andrew	S.Mizzi		C. De Marco	J.C. Borg	Al Rashdi	P. Vella	A. Rochman	P.Refalo	D. Camilleri	Grima Danjel	A. Zammit		M. Grech	J.Zammit
14.40-15.00	Vella Giulia	S.Mizzi		C. Micallef	J.C. Borg	Matthew Grech	E.Francalanza	P. Vella	P. Refalo	M. Saliba	Turner Abigail	M. Grech	A. Zammit	S. Abela	J.Zammit
15.00-15.20	Galea Shawn	C. Micallef		J. P.Mollicone	P.J. Farrugia	Kurt Bondin	P. Refalo	E.Francalanza	A. Rochman	P. Mollicone	Hatalan Falzon Juanito	S. Briffa	A. Agius Anastasi	S. Abela	J.Zammit
15.20-15.40	Azzopardi Matthias Michael	C. Micallef		M. Farrugia	P.J. Farrugia	Abdulfatah Soula	E.Francalanza		A. Rochman	D. Vella	Scicluna Zachea	A. Zammit	G. Cassar	B.Attard	P.Refalo

<i>Session A1 – Room 2</i>		
Time	Student	Title
9.00-9.20	Galea Roberto	Naturally Based Intraply Hybrid Composites
9.20-9.40	Muscat Nicholas	Improving the photoelasticity experimental technique
9.40-10.00	Mercieca Keith	Design and Assessment of a Non-Conventional Actuator for use in Biometric Artificial Hands

<i>Session B1 – Room 3</i>		
Time	Student	Title
9.00-9.20	Galea James	Factors Affecting Interface Bonding in Multi-Material Fused Filament Fabrication
9.20-9.40	Al-Siyabi Ahmed Masaud	Investigating PTFE to Rubber Adhesion of Electric Cars Component
9.40-10.00	Mercieca Adrian	Applying Generative Design to Additive Manufactured, Smart Wearable Devices for Paediatric Habilitation
10.00-10.20	Al-Rawahi Mohammed	Design of An Innovative Mascara Vial Pack System

<i>Session C1 – Room 4</i>		
Time	Student	Title
9.00-9.20	Buhagiar Luigi	Investigation of Inconel 718 for high temperature aero-engine applications
9.20-9.40	Sciberras Andrew Anthony	Characterisation of Cavalry Armour from the Palace Armoury, Valletta
9.40-10.00	Galea Sarah	Tribocorrosion performance of Mo-N PVD coated biomedical alloys

<i>Session A2 – Room 2</i>		
Time	Student	Title
10.50-11.10	Rotin Victoria	Design of an Autonomous Hydroponics System
11.10-11.30	Ellul Dylan	Enhancing efficiency of water transportation to RO plants using solar concentrators
11.30-11.50	Fenech Andrew	Improvements of the Hydrogen Engine Setup and Continuation of the Experimental Investigation
11.50-12.10	Zammit Justin	Aerodynamic Analysis and Comparative Study between Blended Wing and Twin-Engine Single Body Aircraft Design.
12.10-12.30	Mifsud Luca Andrea	Analysis of Regenerative Braking and Charging Systems on Electric Vehicles from Experimental CAN Bus Data

<i>Session B2 – Room 3</i>		
Time	Student	Title
10.50-11.10	Naudi Timothy	Design, build and test: truss deformation experimental setup
11.10-11.30	Bianco Jake	Design and development of a rectangular recess wall chasing tool
11.30-11.50	Al-Aghbari Hemed Hamood Saif	Design of a domestic stair climber lift
11.50-12.10	Boffa Stephen Paul	Preliminary Design of a Search and Rescue Vessel
12.10-12.30	Mercieca Matthew	Design of a Chassis of a Cart to be used for Feast Marches.

<i>Session C2 – Room 4</i>		
Time	Student	Title
10.50-11.10	Bonello Timothy	3D Graphene Sponges for Water Filtration
11.10-11.30	Mallia Sean	The Effects of Gelation Time and Drying Method on Reduced Graphene Oxide Aerogels
11.30-11.50	Sciberras Nicholas	Design of a device for releasing pharmaceutical Products from Blister Packaging
11.50-12.10	Cassar Frank	Development of an Augmented Reality System to Assist Operators in the Assembly of a Mechanical Product
12.10-12.30	Mifsud Joseph	Design of a human-machine interface for integration with an automated robotic vehicle

<i>Session A3 – Room 2</i>		
Time	Student	Title
14.00-14.20	De Marco Sean	A Vortex Lattice Method Implementation for Low-Speed Wings
14.20-14.40	Zammit German Andrew	Modelling and Experimental Framework for Shaft-driven and Rim-driven Propellers.
14.40-15.00	Vella Giulia	Numerical Investigation of the Aerodynamic Efficiency of Contra-rotating Open-rotor Propelled Planes.
15.00-15.20	Galea Shawn	Setting up a Thermochemical Energy Storage Test Rig using Silica Gel
15.20-15.40	Azzopardi Matthias Michael	A Study of a Multi-Element Front Wing Aerodynamic Performance using Computational Fluid Dynamics

<i>Session B3 – Room 3</i>		
Time	Student	Title
14.00-14.20	Treeby Ward Jake	Towards Sustainable 3D Printing using Recycled Materials
14.20-14.40	Al Rashdi Ahmed Saleh Muslem	Effects of Tool Surface Roughness on the Properties of Micro-Injection Moulded Parts
14.40-15.00	Grech Matthew	Logistics simulation of an automated guided vehicle for material handling
15.00-15.20	Bondin Kurt	Sustainability Assessment of a Pneumatic Monitoring and Control System
15.20-15.40	Soula Abdulfatah	Improvements of the CNC Machining Process at the Industrial and Manufacturing Engineering Laboratories

<i>Session C3 – Room 4</i>		
Time	Student	Title
14.00-14.20	Azzopardi Philip	Gas nitriding for the local polymer processing industry
14.20-14.40	Grima Danjel	Effect of heat treatment and shot peening on the wear resistance of automotive steels
14.40-15.00	Turner Abigail	Strain-Induced Martensitic Transformation in Austenitic Stainless Steels
15.00-15.20	Hatalan Falzon Juanito	Quantification of Microplastics in Maltese Tap water
15.20-15.40	Scielluna Zachea	Characterisation of shot peened and laser shock peened automotive material