

IoT & AI for Sustainable Global Health and Wellbeing Bootcamp - 21 August - 8 September 2023

WEEK 1 - IOT FUNDAMENTALS & ENABLING TECHNOLOGIES								
Time		Monday - 21 aug Jesus College	Tuesday - 22 aug Department of Engineering - Baker Building	Wednesday - 23 aug Department of Engineering - Baker Building	Thursday - 24 aug Department of Engineering - Baker Building	Friday - 25 aug Jesus College	Saturday - 26 ago Jesus College	
09:00	11:00	OPENING SESSION 09:00am Opening 09:30am Industry Partners presentations 	LECTURE - IoT1 (Prof. Kabla) Programming the microcontroller; Memory; Interrupt 	LECTURE - IoT2 (Prof. Kabla) Collecting data from sensors; I2C BUS; temperature sensor; Other sensors for industrial projects (ECG, ...) 	LECTURE - IoT3 (Prof. Kabla) Actuators; Heat generator: open and closed loppss to control heat production; Project of a controller; Introduction to control theory for systems with feedback. 	TRANSFERABLE SKILLS TRAINING Self-awareness and Team Working 	GATEKEEPER EVENT From Business Case to Solution 	
11:00	11:30	Break						
11:30	13:00	Opening Lecture Prof. Leandro Pecchia 	LECTURE - IoT1 (Prof. Kabla) 	LECTURE - IoT2 (Prof. Kabla) 	LECTURE - IoT3 (Prof. Kabla) 	TRANSFERABLE SKILLS TRAINING Self-awareness and Team Working 		
13:00	14:30	Lunch						
14:30	17:00	TRANSFERABLE SKILLS TRAINING Self-awareness and Team Working 	IoT LAB 	IoT LAB 	IoT LAB 	GATEKEEPER EVENT From Business Case to Solution		
17:00	17:30	Break						
17:30	19:00	Teamwork 	Teamwork 	IBM BUSINESS CASE "From problem to solution: the journey of an idea" 	INDUSTRY PARTNER TUTORS 	GATEKEEPER EVENT From Business Case to Solution		
WEEK 2 - AI FUNDAMENTALS & ENABLING TECHNOLOGIES								
Time		Monday - 28 aug Computer Laboratory - William Gates Building	Tuesday - 29 aug Computer Laboratory - William Gates Building	Wednesday - 30 aug Jesus College	Thursday - 31 aug Computer Laboratory - William Gates Building	Friday - 01 sept Computer Laboratory - William Gates Building	Saturday - 02 sept Jesus College	
09:00	11:00	LECTURE AI 1 (Prof. Liò) 	LECTURE - AI 2 (Prof. Liò) 	LECTURE - AI 3 (Prof. Salman Haleem) AI Machine Learning for Real-time Wearable Signals 	LECTURE - AI 4 (Prof. Liò) 	LECTURE - AI 5 (Prof. Liò) 	Teamwork 	
11:00	11:30	Teamwork						
11:30	13:00	LECTURE AI 1 (Prof. Liò) 	LECTURE - AI 2 (Prof. Liò) 	TRANSFERABLE SKILLS TRAINING Lateral Thinking Gym 	LECTURE - AI 3 (Prof. Liò) 	LECTURE - AI 4 (Prof. Liò) 		
13:00	14:30	Lunch						
14:30	17:00	AI LAB 	AI LAB 	TRANSFERABLE SKILLS TRAINING Project Management & Creativity 	AI LAB 	AI LAB 		
17:00	17:30	Break						
17:30	19:00	Teamwork 	Teamwork 	Teamwork 	INDUSTRY PARTNER TUTORS 	TRANSFERABLE SKILLS TRAINING Teambuilding Activity 		
WEEK 3 - HACKATHON								
Time		Monday - 04 sept Jesus College	Tuesday - 05 sept Jesus College	Wednesday - 06 sept Jesus College	Thursday - 07 sept Jesus College	Friday - 08 sept Jesus College		
09:00	11:00	LECTURE AI 5 (Prof. Emilio Billi) 	Teamwork 	TRANSFERABLE SKILLS TRAINING Presentation rehearsals and feedback 	LECTURE (Prof. Paolo Benanti) ETHICS of AI & TECHNOLOGY 	Teamwork 		
11:00	11:30	Break						
11:30	13:00	Teamwork 	Teamwork 	TRANSFERABLE SKILLS TRAINING Presentation rehearsals and feedback 	ETHICS of AI & TECHNOLOGY Roundtable Discussion 	Teamwork 		
13:00	14:30	Lunch						
14:30	17:00	TRANSFERABLE SKILLS TRAINING Presentation Skills 	Teamwork 	Teamwork 	Teamwork 	PITCH DAY & JURY PANNEL 		
17:00	17:30	Break						
17:30	19:00	Consulting Session with Subject Expert 	Consulting Session with Subject Expert 	Consulting Session with Subject Expert 	INDUSTRY PARTNER TUTORS 			
	19:00						GALA DINNER & AWARD CEREMONY	

BOOTCAMP 2023

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5TH Edition

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Jesus College Cambridge (UK)

BOOTCAMP@UNICAMPUS.IT

WWW.UNICAMPUS.IT/ENG/BOOTCAMP

SCHEDULE