

Subject: Internship Project Proposal

<i>Code Name</i>	PTA_2024-UNMECLE-0054921_04/09/2024 18.31.52
<i>Date</i>	04/09/2024 18.31.52
<i>Target</i>	Master's Degree - Data Science

Host Institution

<i>Host Institution</i>	Indra Italia spa
<i>Protocol</i>	2024-UNMECLE-0054921
<i>Protocol Date</i>	02/05/2024
<i>Country</i>	Italy
<i>City</i>	Rome
<i>Address</i>	Via del Serafico n.200, 00142
<i>Website</i>	https://www.minsait.com/en
<i>Employees Number</i>	>1000
<i>Contact Person</i>	Claudio Nunziata
<i>Phone Number</i>	3666914927
<i>Email</i>	cnunziata@minsait.com



Project Supervisor

<i>Name and Surname</i>	Fabrizio Errante
<i>Phone Number</i>	3479065426
<i>Email</i>	ferrante@minsait.com

Internship Project Details

<i>Title</i>	Edge-Cloud Based Data Analysis Approach for Power Electronic Devices	
<i>Detailed Description:</i> The main activity is focused on developing an innovative edge-cloud-based data analysis approach for power electronic devices, utilizing mainly Amazon Web Services (AWS) cloud technology. The project aims to enhance device performance, reliability, and efficiency through advanced data analytics and real-time processing. This approach aims to facilitate real-time data processing and predictive maintenance activities, contributing significantly to optimizing power electronic systems. There will be system designing activities, edge deployment, cloud integration, procedure documentation and data and performance analysis.		
<i>Topics</i>	Phygital	
<i>Reimbursement of Expenses (YES/NO)</i>	YES	
<i>Refund Amount</i>	250€	
<i>Availability for Travel (YES/NO)</i>	NO	
<i>Kind of employment</i>	Part time	
<i>Duration in months (max 12)</i>	3	



<i>Duration in hours</i>	200
<i>Internship Date Start</i>	16/09/2024
<i>Internship Date End</i>	30/04/2025
<i>Number of Open Position(s)</i>	2

Internship Skills

<i>Required Skills:</i> Computer networks and programming	
<i>Other Skills</i>	