University of Messina
MIFT Department
Bachelor Data Analysis

Internship Project Proposal

Code Name	PTA_02032022_18/07/2023 12.17.26
Date	18/07/2023 12.17.26

Host Institution

Host Institution	STMIcroelectronics
Protocol	02032022
Protocol Date	03/02/2022
Country	Italy
City	Catania
Address	Stradale Primosole, 50
Website	www.st.com
Employees Number	+20000
Contant Person	Marcello Palano
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Project Supervisor

Name and Surname	Carmelo *Viccica*
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Internship Project Details

Title	Modelling of a low voltage drop linear regulator (LDO) and definition of selection criteria

Detailed Description:
Within the "powertree designer" tool https://eds.st.com/powerTree/#/, it is necessary to develop a new web component to select an item (an LDO component) through a catalog, according to the indicated criteria.
During the stage the candidate will be in charge of:
* developing the data schema to gather the main features of electronic device
* writing a microservice (an AWS lambda in node.js code) to manage the filtering
* creating a "react" component to collect the input filter specification, show the resulting list, and select one item.

Topics	SRA SW Platforms / System Tools
Reimbursement of Expenses (YES/NO)	Yes
Refund Amount	
Availability for Travel (YES/NO)	No
Kind of employment	Full time
Duration in months (max 12)	3
Duration in hours	160

Internship Date Start	01/10/2023
Internship Date End	31/12/2023
Number of Open Position(s)	1

Internship Skills

Required Skills: Problem solving attitude and an analytical mind. Basic knowledge of javascript / typescript language	
Other Skills	Teamwork attitude. Fluent English An entry level knowledge of react library and AWS service should be a plus