



ARISHNA IOT SOLUTIONS EU PROPOSAL FOR SETTING UP NEXT GENERATION IOT ENABLED LAB

Skill Development for IoT, ML, AI, GenAI and Blockchain Technologies

i *Arishna IoT Solutions, Arishna is a start-up company based in Graz Austria, focusing on innovations in providing Next-Gen solutions. Arishna is driven by professionals with large expertise in different verticals, but complementing fields of engineering. The founding members and Advisory Board bring in well-rounded experience of having worked in technology companies.*

OVERVIEW

ARISHNA IoT Solutions eU is pleased to submit this proposal to support Institute of Engineering and Technology, in establishing a Next Generation Internet (NGI) enabled lab. This lab will facilitate advanced skill development in Internet of Things (IoT), Machine Learning (ML), Artificial Intelligence (AI), and Blockchain technologies, crucial for addressing the current and future demands in these rapidly evolving fields.

The Objective

i *The proposal aims to enhance the skill set of faculty and students in cutting-edge technologies, provide a practical-driven learning environment, and address the industry's demand for highly skilled professionals in IoT, ML, AI, Gen AI, and Blockchain technologies.*

- Enhance the skill set of its faculty and students in cutting-edge technologies.
- Provide a practical-driven learning environment.
- Address the industry's need for highly skilled professionals in IoT, ML, AI, Gen AI, and Blockchain technologies.

The Opportunity

i *The proposal seeks to create a talent pool prepared to meet the current and future demands of the industry, foster innovation and research in emerging technologies, and establish collaborative partnerships with industry and academic institutions to offer comprehensive training programs.*

- Create a talent pool ready to meet the industry's current and future demands.
- Foster innovation and research in emerging technologies.
- Collaborate with industry and academic institutions to provide comprehensive training programs.



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The Solution

i ARISHNA IoT Solutions proposes to set up a state-of-the-art NGI enabled lab at Technical Institutions, equipped with the necessary hardware, software, and training modules to ensure a holistic learning experience.

OUR PROPOSAL

With the increasing demand for skilled professionals in IoT, ML, AI, and Blockchain, the establishment of an NGI lab will provide Technical Institute with the infrastructure to offer advanced training and research opportunities. This proposal outlines the setup, resources, and training programs that ARISHNA IoT Solutions will provide to Technical Institute.

Benefits

- **Skill Enhancement:** Empower faculty and students with hands-on experience in emerging technologies.
- **Industry Alignment:** Align academic training with industry requirements, enhancing employability.
- **Innovation and Research:** Foster a culture of innovation and research in advanced technologies.
- **Collaboration:** Enable partnerships with industry and other academic institutions for knowledge sharing and collaborative projects.

Capabilities and Qualifications

Our team, led by Founder **Krishan Mohan Patel**, boasts a remarkable track-record in establishing advanced labs and training centers. Through strategic collaborations, we have forged Memorandums of Understanding (MoUs) with esteemed institutions such as IIT Roorkee and IIT Guwahati. Moreover, we have conducted a multitude of successful Faculty Development Programs (FDPs) and workshops focused on IoT, ML, AI, and Blockchain technologies, further solidifying our expertise and commitment to excellence in the field.

EXECUTION STRATEGY

Technical/Project Approach

The NGI lab will be equipped with the following:

- **IoT Hardware Kits:** Platforms like Raspberry Pi 3 B+ and Arduino UNO R3 with various sensors and actuators.
- **Software:** Preloaded software for IoT, ML, AI, and Blockchain applications.
- **Cloud Connectivity:** Integration with platforms such as AWS IoT, Microsoft Azure, Ubidots, etc.
- **Training Modules:** Comprehensive training for faculty and students, including remote and onsite sessions.

Resources

- **Hardware:** IoT development kits, sensors, actuators, and connectivity modules.
- **Software:** Preloaded applications for ML, AI, and Blockchain.
- **Training:** Expertise from ARISHNA IoT Solutions for setting up and conducting training programs.



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Project Deliverables

Deliverable	Description
IoT Hardware Kits	Complete IoT development kits with necessary accessories
Software	Preloaded software for IoT, ML, AI, and Blockchain
Training	One week of comprehensive training for faculty and students
Cloud Connectivity	Integration with various IoT cloud platforms
Warranty	One-year warranty on all hardware and software components
AMC	Annual Maintenance Contract with remote support

Timeline for Execution

Description	Start Date	End Date	Duration
Project Start	TBD	TBD	TBD
Installation	TBD	TBD	TBD
Training Phase 1	TBD	TBD	5 days
Training Phase 2 (if needed)	TBD	TBD	2 weeks
Project Completion	TBD	TBD	TBD

Supplied Material

Technical Institute will provide the necessary space for setting up the lab and ensure timely availability of required resources to meet project milestones.

COMMERCIAL TERMS

Item	Quantity	Unit Price (Euro)	Total (Euro)
IoT Development Kit	25	600	15000
Accessories			
Training (Phase 1)	5 days	500	2500
Training (Phase 2)	2 weeks (optional)	500	5000



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Item	Quantity	Unit Price (Euro)	Total (Euro)
Warranty	6 Months		
AMC	1 year	-	25% of total cost

Payment Terms

- Total cost to be paid at the time of signing the MoU.
- Applicable taxes to be paid by Technical Institute.
- Payment to be made via Bank Account.

CONSIDERATION

The lab setup will include IoT hardware kits, software, training modules, and ongoing support, creating a robust learning environment for faculty and students at Technical Institute. This will not only enhance their technical skills but also make them industry-ready for emerging technology roles.

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