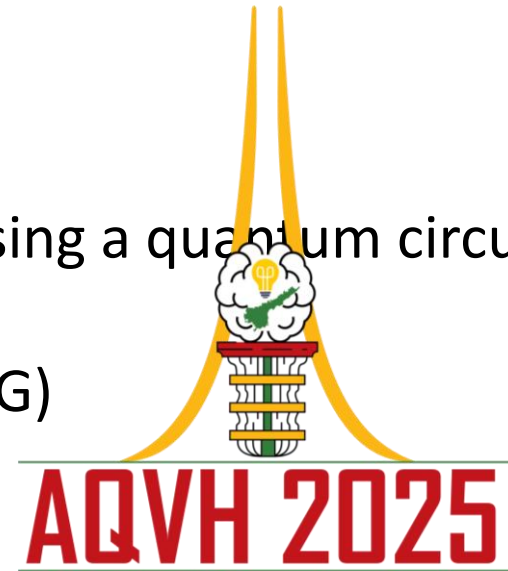




Amaravati Quantum Valley Hackathon 2025



- **Problem Statement ID – AQVH910**
- **Problem Statement Title-** Design a basic QRNG using a quantum circuit that utilize
- **Theme-**Quantum Random Number Generator (QRNG)
- **PS Category-** Software/Hardware
- **Team ID-** C-24205 (Aishe) or IIC- IC202324672 (If you have several teams) add 24205-1, 24205-2, or IC2022324672-1, IC2022324672-2 like this add multiples
- **Team Name** (Registered on portal) Can be innovative like Quantum, Qiskit, Codex etc as per team choice



IDEA TITLE

❖ Proposed Solution (Describe your Idea/Solution/Prototype)

- Detailed explanation of the proposed solution
- How it addresses the problem
- Innovation and uniqueness of the solution

TECHNICAL APPROACH

- Technologies to be used (e.g. programming languages, frameworks, hardware)
- Methodology and process for implementation (Flow Charts/Images/ working prototype)

Your
Team
Name

FEASIBILITY AND VIABILITY

- Analysis of the feasibility of the idea
- Potential challenges and risks
- Strategies for overcoming these challenges

Your
Team
Name

IMPACT AND BENEFITS

- Potential impact on the target audience
- Benefits of the solution (social, economic, environmental, etc.)

Your
Team
Name

RESEARCH AND REFERENCES



- Details / Links of the reference and research work

IMPORTANT INSTRUCTIONS

Please ensure below pointers are met while submitting the Idea PPT:

1. Kindly keep the maximum slides limit up to six **(6)**. (Including the title slide)
2. Try to avoid paragraphs and post your idea in points /diagrams / Infographics /pictures
3. Keep your explanation precise and easy to understand
4. Idea should be unique and novel.
5. You can only use provided template for making the PPT without changing the idea details pointers (mentioned in previous slides).
6. You need to save the file in PDF and upload the same on portal. No PPT, Word Doc or any other format will be supported.

Note - You can delete this slide (Important Pointers) when you upload the details of your idea on SIH portal.