Team building: Session 1

SEA Quantathon 2025 and QTRi conference

https://qtric.sut.ac.th/quantathon2025/

https://qtric.sut.ac.th/qtri2025/

Mentor experts and mentors

Mentor experts

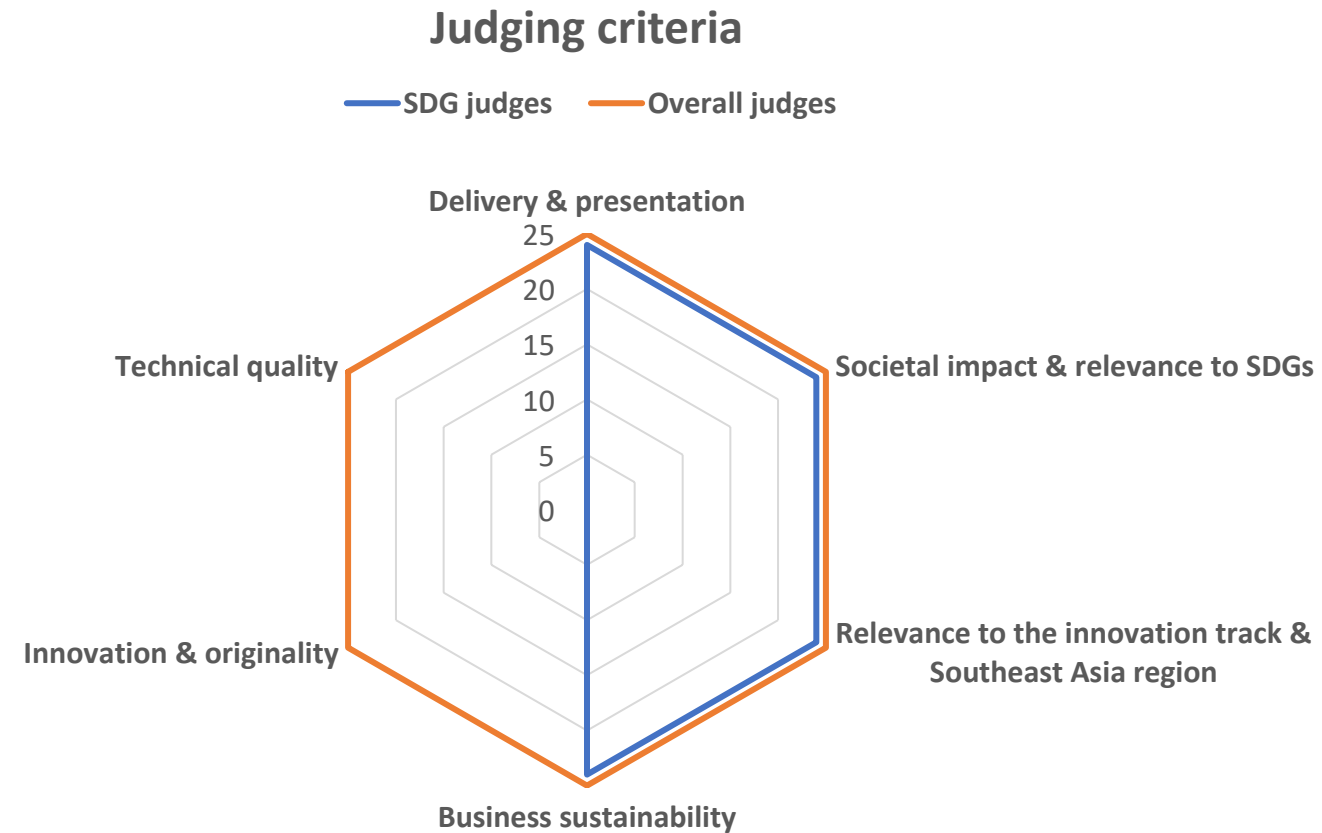- Yousra, Manvi, Siddhant

Mentors

- Jabez, Dylan, Poramet, Chanwit, Aor, Choong/Vannajan

Guiding questions and judging criteria

Judging criteria

—— SDG judges   —— Overall judges

- Delivery & presentation
- Societal impact & relevance to SDGs
- Relevance to the innovation track & Southeast Asia region
- Business sustainability
- Innovation & originality
- Technical quality

Guiding questions and judging criteria

Delivery & presentation

- Is the problem clearly articulated with data points?
- Does the demo adequately show the product's value proposition?
- Is the pitch engaging and include examples that the audience can relate to?
- Can the team deliver the presentation within 5 minutes?
- Does the content include a 6-month (short-term) and a 3-year roadmap?
- Does the content consider immediate challenges and success measures?
- Does the content consider main competitors and revenue opportunities?
- Does the content consider potential partners?
- How clearly can the team answer judges' questions?

Guiding questions and judging criteria

Societal impact & relevance to SDGs

- Does the idea address one or more sustainable development goal(s)?
- Does the team clearly articulate and quantify the social impact?
- How scalable is the impact (micro, regional, country, global market)?
- What level of urgency is the idea impacting (urgent, ongoing, coming)?

Guiding questions and judging criteria

Relevance to the innovation track & Southeast Asia region

- Does the solution align with the chosen innovation track?

- Is it tailored to issues or opportunities in Southeast Asia?

- Does it consider cultural, economic, or environmental context in the region?

Guiding questions and judging criteria

Business sustainability

- Is the product useful, usable, and desirable?

- What is the market size? What is the return on interest (ROI) trajectory as the product scales?

- Can the project go beyond the hackathon and become a viable business?

- Could this proof of concept be deployed into a real-world solution?

- What typology of investors might be interested in your idea?

Guiding questions and judging criteria

Innovation & originality

- Does the idea bring something new and unique?

- Is the idea of exploring different dimensions and scenarios?

- Can you articulate how and where the idea intends to innovate?

- Are you approaching an existing condition in a new way?

Guiding questions and judging criteria

Technical quality

• What component of quantum computing is the prototype leveraging?

• What is the level of complexity of the algorithm(s) used?

• Is the technical execution theoretical or practical?

• Can people use this prototype for research and further develop it?

Proposed timelines

Ideation, brainstorming, outlining problem statement, literature review, identifying relevant SDGs, workload distribution

5 & 12 July

Identifying quantum pipeline, simple coding, building prototypes and github

19 & 26 July

Team 1

Innovation track: Climate change

Mentor: Jabez

Team members:
1. Ha-Ninh Nguyen – Wildfire in Southeast Asia
2. Natchapol Patamawisut – Bangkok's traffic congestion
3. Tan Chun Loong – Deforestation in Southeast Asia
4. Supawit Marayat – LLMs and the future

Team 2

Innovation track: Healthcare & Medicine

Mentor: Choong/Vannajan

Team members:

1. Roi Victor Roberto
2. Sayed Tahlil Hossain – Waterborne disease risk in Southeast Asia
3. Muchammad Dimas Sakti Widyatmaja
4. Mutawally Nawwar – Medical data standardization

Team 3

Innovation track: Renewable energy

Mentor: Chanwit

Team members:

1. Naveed Qureshi – Prosumer problem in ASEAN
2. Lê Đức Truyền – Energy harvesting and distributing
3. Dao Tran Minh – Energy distribution system
4. Natthawee Naewkampol – Smart grid forecasting in Southeast Asia

Team 4

Innovation track: Climate change

Mentor: Poramet

Team members:

1. Sorawich Maichum – Thailand is the new Silent Hill
2. Kwok Yun May – Rice, reefs, and rising heat
3. Edward Russel Hernandez – Deforestation
4. Tee Hui En – Monitoring and forecasting marine heatwaves in the South China Sea

Team 5

Innovation track: Healthcare & Medicine

Mentor: Aor

Team members:

1. Kyle Carlo Lasala – Antimicrobial resistance
2. Kai Ze Tam – Accelerating dengue therapeutics in Southeast Asia
3. Muhammad Abdul Aziz Ghazali – Dengue in Southeast Asia
4. Clarissa Harmoko

Team 6

Innovation track: Renewable energy

Mentor: Dylan

Team members:

1. Treerat Srivipat – Improving energy schedule
2. Ameer Syahiran bin Azhan – Optimizing ASEAN's renewable energy future
3. Kamanouch Yaemsang – Solar power decentralization idea
4. Muhammad Haikel Bin Yasin – Uncoordinated EV charging strains power grids

By the end of this session, I want…

1. An appointed team leader
2. Your team's name
3. Your team's vision (3 – 5 sentences, less than 100 words)
4. A photograph of the mentor and every team members
5. A short bio of the mentor and every team members (3 – 5 sentences, less than 100 words)
6. A problem statement