

## Worklet Details

1. Worklet ID: 23RSG34CITB
2. College Name: Cambridge Institute of Technology, North Campus

### KPIs achieved till now

**Achieved:** Complete survey of existing models (60%) and develop proposal for new models with potential for improved performance (40%).

**Success Criteria:**

Survey: Achieve 100% completion rate for all intended models.

Proposal: Clearly outlines limitations of existing models, addresses those limitations with your models, demonstrates potential for performance improvement with metrics, and includes a plan for further evaluation.

**Measurement:**

Track survey progress and proposal content against criteria.

**Target:** Achieve 100% overall KPI completion.

### Any Challenges/ Issues faced

Figuring out how different image quality assessment methods worked was tough at first. The research papers used complicated words and steps. But by spending a lot of time reading them carefully, breaking down the hard parts, and talking about them together, we finally understood them. Now we know a lot more about image quality assessment, which will help us build our own methods.

### Next Steps

Now that the survey is almost done and we understand existing models better, let's solidify our new model! We can refine the design based on survey findings, build a prototype to test its performance, compare it to existing models, and finally craft a proposal highlighting its strengths and planned validation. This will showcase the potential of our innovative IQA approach.

### Key Achievements/ Outcome till now

This project has been an eye-opening experience on teamwork and real-world research. We started by collaborating to gather information on all the image quality assessment models out there, which felt overwhelming at first. But by tackling it together, dividing tasks, and explaining complex concepts to each other, we were able to make sense of it all. This project mirrored how research actually happens - it's not just about individual brilliance, but about open communication, shared learning, and building on each other's strengths to reach a common goal. We're now excited to take what we've learned and use it to propose our own innovative IQA model!