

**NUS Graduate School for Integrative Sciences and Engineering  
Research Project Write-up**

**Title of Project :** Innovative tools, systems, and interfaces for arts and creativity

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**Short Description**

In today's rapidly changing world, people must continually come up with creative solutions to unexpected problems. Success is based not only on what you know or how much you know, but on your ability to think and act creatively. In recent years, a growing number of educators and psychologists have expressed concern that computers are stifling children's learning and creativity, engaging children in mindless interaction and passive consumption. However, there is a lack of tools and platforms targeted for average users to enhance their creative expressibility. Traditional creativity support tools often require extensive computer skills, which are not suitable for average users who often do not have the necessary education and training to manipulate and use. This project aims to develop tools and technologies that requires minimum computer skills, yet can inspire people to develop as creative thinkers.