After experiencing the pain of losing a loved one to lung cancer at the tender age of 10 years old, Assistant Professor Edison Ang from the Natural Sciences and Science Education Academic Group (NSSE) turned the emotional setback into an inspiration. It spurred him to complete his Doctor in Philosophy (PhD), and at the age of 33, he became an assistant professor at the National Institute of Education (NIE), an autonomous institute under the Nanyang Technological University (NTU), Singapore. This inspiration also led him to aspire to continually undertake high-level research and development, contribute to humanity, and nurture the next generation of youth. To this day, this belief has shaped his high-level research and development, contribute to humanity, and nurture the next generation of youth. This inspiration also led him to aspire to continually undertake high-level research and development, contribute to humanity, and nurture the next generation of youth. To this day, this belief has shaped his high-level research and development, contribute to humanity, and nurture the next generation of youth. To this day, this belief has shaped his high-level research and development, contribute to humanity, and nurture the next generation of youth. To this day, this belief has shaped his high-level research and development, contribute to humanity, and nurture the next generation of youth.

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Reflecting upon his research journey in 2D nanomaterials, Assistant Professor Ang shared that in 2020, he started Nanotech Lab and had since developed a unique 2D nanomaterials ink (graphene), which can be 3D printed, paving the way for new industrial opportunities in the fields of rechargeable batteries and membrane filtering. Extending his gratitude to the support he had received from his collaborators, NAMIC and Singapore Centre for 3D Printing, Assistant Professor Ang added, “These amazing works have resulted in two provisional patents.”

Following these achievements, Assistant Professor Ang was awarded Outstanding Asian Science Diplomat Award and Vebleo Fellow Award in 2021 in recognition of his outstanding research work and leadership in the field of science, engineering and technology. In 2022, he was invited by the International Association of Advanced Materials to give a Young Scientist Medal Lecture on “Chemistry of Two-Dimensional Nanomaterials for Energy Storage and Membrane Technology” to showcase his 3D printed works. As a young faculty member, he was also elected by the prestigious publishers, for instance, Elsevier, as an Early Career Editorial Board Member of Chemical Engineering Journal and Springer Nature, as a Young Editorial Board Member of Journal of Leather Science and Engineering.

To fellow researchers and faculty members who may be looking out for grants and funding to support their research work, Assistant Professor Ang has this to share, “No matter how many times your proposal has been rejected, keep trying because nothing is possible unless you try, and if you try, there is still chance.”

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