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地板与家具的制作。 两人目前探讨如何修

因大的回路1220日度 波产品,并让产品器 智俐(右)与王国聪携手合作研究可持续性的有机器 代市面上不可持续和 土。(Ferticlay提供)

智俐(左)研发的肥沃黏土获奖。(Ferticlay提供)

萨尔提供) 者有兴趣了解更 多相关信息。一些学生的想法未来 可以有所发展,许多毕业作不仅满 足特定的商业需求,也满足社会和 文化的需求。"

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Entrepreneurship Before Graduation

Youth may catch one unprepared, but it is nevertheless precious; everything one does when young leaves behind memories that are always going to be remembered.

University days are at the tail end of one's youth and just a step away from entering the workplace. Every student has their own version and interpretation of youth. Some just want to continue to study, while some are already chasing their dreams, starting a business, and becoming young adults. As travellers in time, how do university students view their own entrepreneurship, and what kind of support are their families and schools providing?

Lianhe Zaobao interviewed several university students, who shared their experiences of starting a business and their expectations for the future. The students felt that the biggest challenge was time allocation, as they have a heavy workload. The era of independent media has given them the opportunity to start businesses, allowing them to become more independent and understand themselves better. They also did not ignore environmental issues, and started selling second-hand clothes and developing fertile clay, all out of their love for the Earth. During the pandemic, the young entrepreneurs, who are full of positive energy, gave away their own products to thank nurses in the nursing homes.

Happily and tirelessly turning waste into treasure

The government and universities all encourage student entrepreneurship. The mission of LASALLE College of the Arts' Programme for LASALLE Creative Entrepreneurs ("PLACE") is to inspire and cultivate students' creative and entrepreneurial spirit. Jodie Monteiro, who was a BA(Hons) Interior Design graduate last year, benefited from PLACE. She not only developed Ferticlay (fertile clay), but also co-founded the eponymous brand with NUS student Ong Kok Chung. Jodie is also the president of the Ferticlay company.

Ferticlay is a new sustainable clay material made from food waste such as ground eggshells and nut shells. The pair are currently focusing on testing different formulations to create different clay mixtures for applications ranging from agriculture to construction. In agriculture, a nourishing growth substrate can be created to make plants grow better; in architecture, it can be used for making walls, and even floors and furniture. The pair is currently exploring ways to modify their product which can replace the unsustainable and toxic materials in the market.

Jodie shared that founding Ferticlay was a brand new experience. "It can be daunting to embark on the journey of an entrepreneur. I had almost no business experience, so I had to do a lot of research and experiments to develop a business plan and products. Since we are a company that recycles eggshells, newspapers, coffee grounds, etc., we need to contact many suppliers and properly store these materials. We are working on R&D to screen clay deposits from soil, mix different materials together and test their tensile strength, until we get the desired results. It is exciting to see ideas and visions come to fruition and rewarding to experience the joy of creating and exploring."

Kok Chung believes that "clay is a very important natural resource not only in agriculture, but also in construction. Like soil and even water, clay is a limited resource, and it is becoming more and more scarce. Many people have misunderstandings or a lack of awareness of clay, believing that clay is a man-made, inorganic material that is incompatible with different

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environments and materials. This is the main challenge for Ferticlay to effectively educate and convince the market."

A hopeful future

Talking about choosing an eco-friendly project, Jodie said that participating in the 2020 Asia Design Competition has allowed her to explore her hobbies, namely, gardening, arts and crafts more deeply. "I decided to come up with a solution in the competition to solve the problems I had with a paper clay project I had tried. Since using flour, etc. would be wasteful, I tried using ground eggshells instead. I also filtered clay from my uncle's garden, and tried mixing it with various ingredients, eventually creating the first batch of Ferticlay. It was made from 100% organic waste that could decompose and become a fertiliser for the natural environment. "

While some people see recycling as a hassle or inconvenience, Jodie sees it as giving back to the planet and thanking God for what was endowed in the first place. After developing the first batch of Ferticlay, her lecturer encouraged her to develop it into a business model in the future. She decided to sign up for PLACE. After being selected, she was taught by PLACE's mentors how to develop a business from a creative perspective.

24-year-old Jodie also planned to explore how to manage ceramic waste in the future. "I am very interested in Korean ceramics and plan to study a master's degree in ceramics in South Korea. I hope to learn and explore how to recycle ceramic waste, while understanding the art form and applying its techniques to create new forms of sustainable pottery."

26-year-old Ong Kok Chung will graduate in May this year. He will keep his options open, to either continue exploring entrepreneurship or start work in a company. "In any case, I still want to stay in the field of recycling or waste management, because it is where my passion lies."

Last year, Ferticlay won the Start-up Weekend Global champion, NTUC FairPrice Group FIThack runner-up, and the TigerLaunch Asia competition. The pair will go to Princeton University in the United States next month to participate in the TigerLaunch US Finals. "We plan to launch our products in the fourth quarter of this year, meeting different needs, from agriculture to construction."

Nur Hidayah, the Dean of the Faculty of Design at LASALLE College of the Arts, supports student entrepreneurship. When talking about how the college views the vision of student entrepreneurship, Nur said, "Before launching PLACE, we carried out a survey to collect student opinion and found that about 78% yearned to become entrepreneurs in the future or were interested to know more. Some ideas of the students could be further developed in the future, and many graduation projects could not only meet specific commercial demands, but also societal and cultural demands."