



PROGRAMME ORGANISERS:



JULY 2021- UPDATES

Dear Anchor Partners,

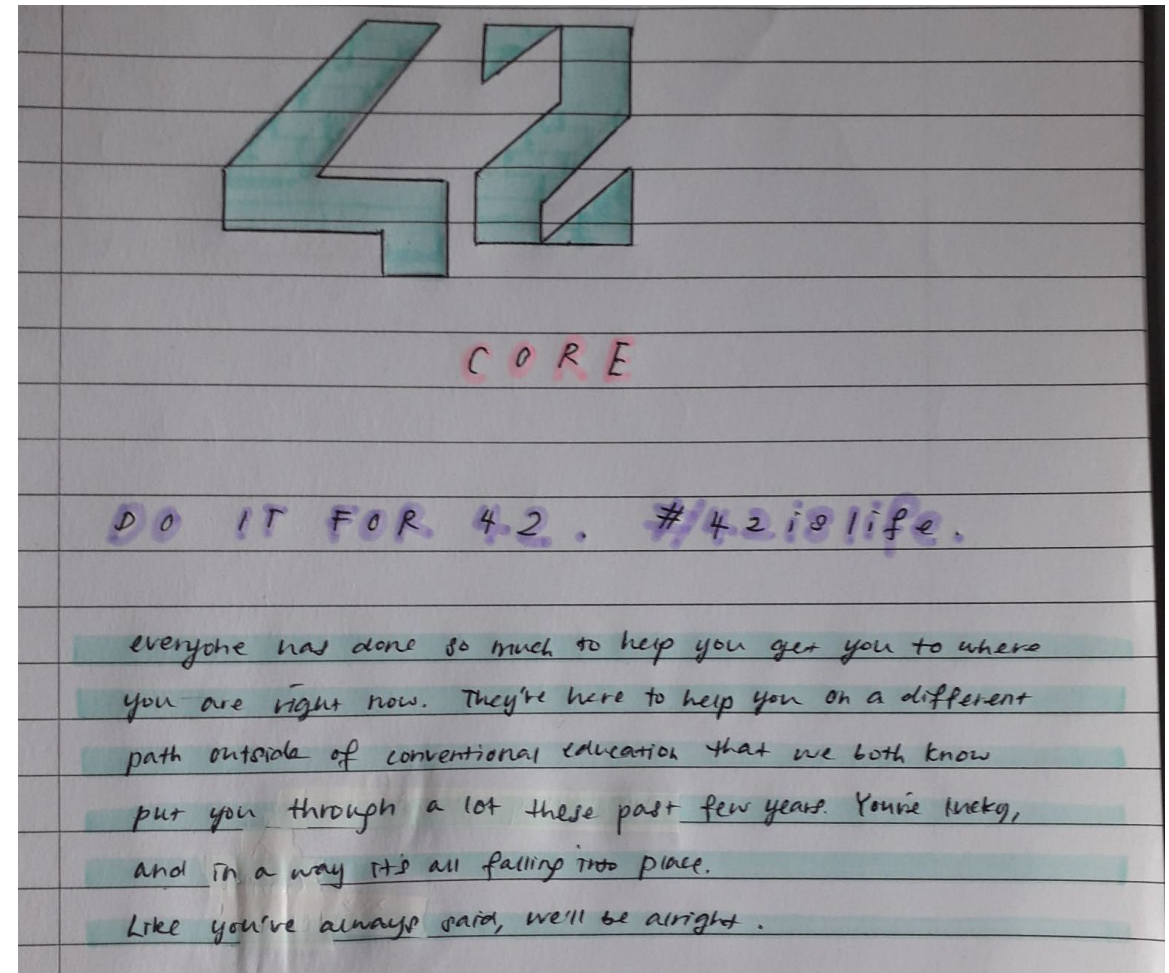
Wow it's been an amazing month for us at 42KL. Some of our cadets recently participated in a global ecological hackathon and came in 2nd place! More on that in the next page.

And we have just concluded our 4th Piscine of the year with the youngest ever demographic we've ever had. Seeing 18 and 19-year-olds working together and helping out others who are in their late 20s / early 30s really gives you a sense of hope for our future.

Finally, our last Piscine of this year is oversubscribed! We had to allocate more seats and we're looking at 100 participants taking part this time around.

We are also close to completing all the components to start our engagement with yourself. I thank you for all your patience and also your support during these trying times.

Jeff Sandhu
 Head - 42KL
 Sunway iLabs



A note to self written by our 42KL cadet



Clockwise from top right: Suresh Chetty, Hans Hazairi, Gates Tan & Bunyod Shamsiddinov.

Global Ecological Hackathon

Back in June, our 42 Network in Paris sent out an invitation to all cadets to take part in a global ecological hackathon for all data science and machine learning enthusiasts, organised by Veolia and the Tara Ocean Foundation – with the support of the oceanography laboratory of Villefranche, Sorbonne University and Plankton Planet.

The challenge? To build a machine learning algorithm capable of identifying different types of plankton and produce a way to visualize that data. This will be analysed by scientists at sea during their expedition. The model they currently use is too time-consuming and resource intensive, thus they wanted individuals to develop an innovative lightweight solution, that would be run on a low power device, namely the Raspberry Pi.

Being one of the youngest campus in the 42 Network and competing not only against cadets in other 42 campuses but also industry experts across the globe, our cadets decided to take this opportunity as a chance for them to learn about machine learning.

Lo and behold, after a whole week of speed learning ML and the 48-hours intensive hackathon, one of our teams made up of 4 cadets from the February Piscine came in 2nd place globally! This amazing achievement has also been picked up by the media.

Media Coverage

SAYS NEWS MAKAN FUN LIFESTYLE TECH SEISMIK KLIPS COVID-19 EURO2020 MORE

NEWS

Malaysian Coding Students Place 2nd In International Ecological Hackathon

With no prior experience in machine learning, the team still came ahead of 35 teams from around the world.

By May Vin Ang — 16 Jul 2021, 06:12 PM

#news #tech #programming #coding #malysiaboleh #hackathon #bestof2021 #malysiaboleh2021

Cover image via 42 Kuala Lumpur (Provided to SAYS)

Says.com: <https://says.com/my/news/malaysian-coding-students-place-2nd-in-international-ecological-hackathon>

DNA Digital Economy powered by 'MDEC' Insights 'Software Testing is' Business Personal Tech

DIGITAL NEWS ASIA
Your Eye on the Tech Ecosystem

42KL students do Malaysia proud, emerging runner-up in global ecological hackathon

By Digital News Asia July 13, 2021

- *No prior knowhow of machine learning but 42KL's learning model prepared them*
- *Only team with more accurate machine learning plankton identification model*

The machine learning model that the team from 42KL came up with had an even more accurate ratio than the model being used on the Tara Schooner ship.

DNA: <https://www.digitalnewsasia.com/digital-economy/42kl-students-do-malaysia-proud-emerging-runner-global-ecological-hackathon>

Piscine Updates

Another one done! We've been doing these 26-days Piscine bootcamp non-stop since February 2021 and each Piscine gives us a different group of individuals but all achieving the same goal: **A desire to continuously learn.**

Our final Piscine is happening on the 26th of July – 20th of August and we're glad to announce that more individuals are starting to know and believe in what we are doing. Hence this time due to high demand, we've increased the number of Pisciners from 75 to 100 students! And with this, we are on track to achieve our goal of 100 cadets for the first year despite the challenges the pandemic and lockdown have thrown at us.

Please find a brief report of our June Pisciners, including some comments from them about their experience:



Our June Pisciners completed the entire 26-days bootcamp virtually with weekly exams conducted via Zoom. The FINAL EXAM on 16th of July was 8 hours long!

June Piscine Report

"I have learnt the importance of leaving no man behind and how being altruistic aids your personal development in the long run"

"Resilience is key, a soft push on the back together with determination and the willingness to help and seek help from others are the key to learning and improving oneself as a person. This will forever be a philosophy i keep in my heart from now."

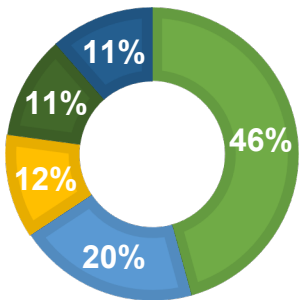
"I learnt a lot of stuff during the Piscine. In term of knowledge, I am surprised I can read and write in C after 4 weeks. Sometimes I look back at the exercise I did in the past, I am surprised at myself. Piscine also taught me to not give up. For example, when we start a new exercise, we start from a blank canvas and write our code. But most of the time, our code does not work on the first try, we have to debug it, change some line of code, take a different approach. Its all about not giving up, try again and again until you succeed. I also met a lot of truly amazing people. The community in June Piscine is just amazing. I think this is the highlight of the Piscine for me. Meeting people from different walks of life, put together to learn something new, helping each other to reach greater heights. The family just got bigger."

"Joining the Piscine might be one of the best decisions I made I my life. The learning experience and the people I met really made a big impact on how I view the world today. The community and knowledge that my peers and I share with each other really escalated our capabilities to absorb knowledge and I couldn't have asked for better teachers."

"My experience in 42 Kuala Lumpur Piscine is going to be one of the most memorable experience I've ever had in my life. I underestimated the effectiveness of peer-to-peer learning. Coming from a traditional education system, this learning method is really new to me and definitely require some getting used to. But, I'm glad that I took up this opportunity and joined the program. This program has indeed helped me to identify what I want for myself in the future. I was unsure of it before piscine, but after piscine, I am sure with what I want to do in the future. I've obtained some deep understanding of myself. Mental endurance Is definitely one of the good things I gained from this program. Overall, the journey is short but it was intense. Hands down to one of the most intense program I've joined! It was indeed an amazing learning experience for everyone out there."

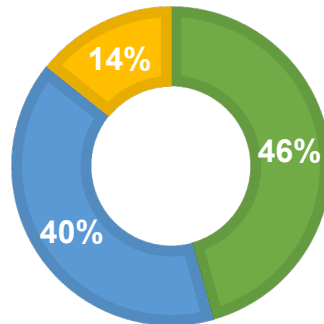
June Piscine Report

AGE

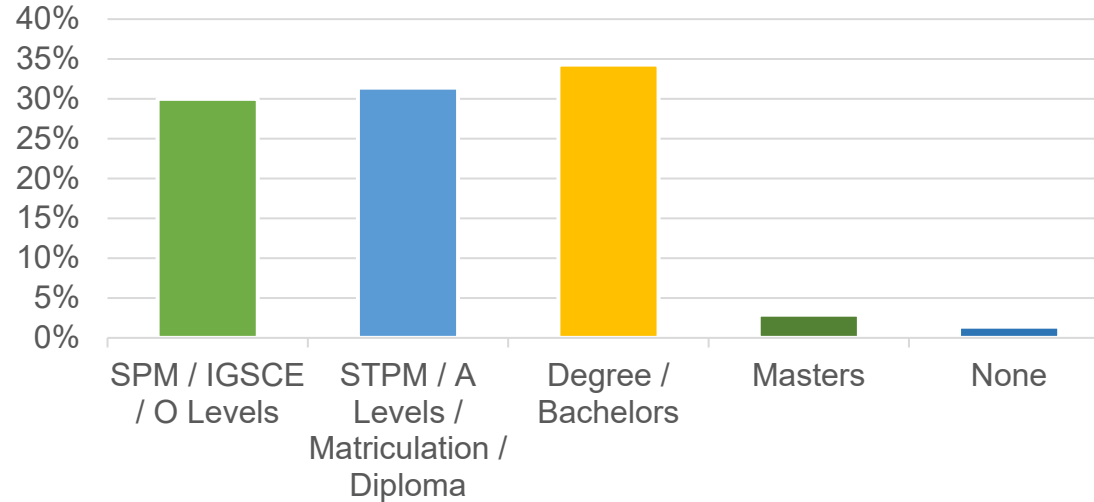


CODING FAMILIARITY

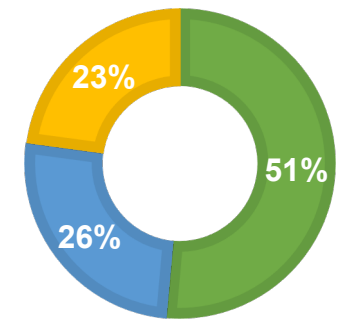
FAMILIARITY



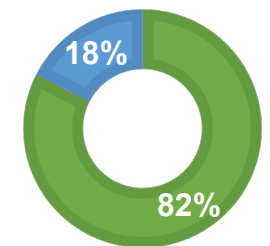
ACADEMIC QUALIFICATIONS



INCOME LEVEL



GENDER



- 75 individuals took part on day 01. But only 36 people left standing after 26-days. This is typical of any Piscines in 42.
- Young adults aged 18 – 21 make up a large portion of the Piscine group.
- Number of females by the end of the Piscine dropped despite a higher number of females registered.
- Similar to previous Piscines, majority of Pisciners come from B40 group, and we have a good balance of individuals from M40 & T20 groups.
- Many joined with little to no coding knowledge.
- A few individuals were working in the tourism industry (i.e. pilot, diving instructor) which had been affected by the pandemic, and they have joined 42KL in search for a career change.

42KL Extra - Curricular Projects

Our next focus will be organising the extra-curricular projects with all our partners. As mentioned in our previous newsletter, there will be a survey sent out to all our partners to provide a top overview of the current tech stacks and insights into your digital transformation journey.

This survey will be accompanied by a basic guide, and a list of expertise that our students possess and areas that we are interested in developing with you.

After a collection of the survey results, we will invite you and your team for a workshop that will enable both parties to brainstorm on a potential project for our cadets in 42KL.

We understand that all our partners are excited and can't wait to engage with our students hence we have been building up a framework and been testing out smaller projects internally to ensure the best experience for all.

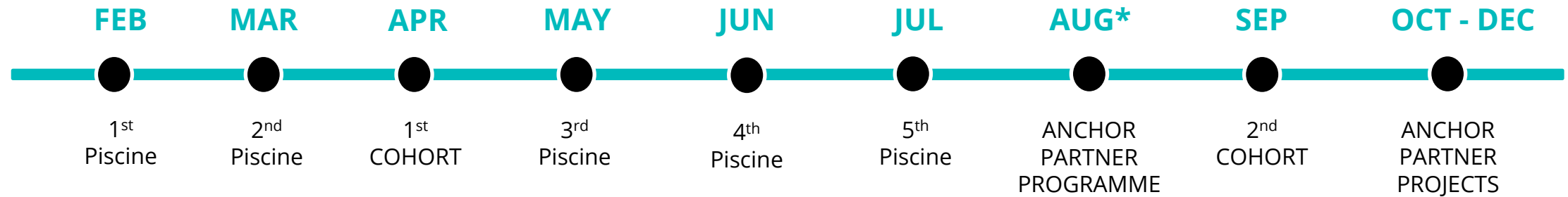


Anchor partner curriculum design

TIMELINE

Below is an updated timeline of our journey for the remainder of the year.

2021



**Depending on COVID situation, we might conduct this virtually or push to a more suitable date.*

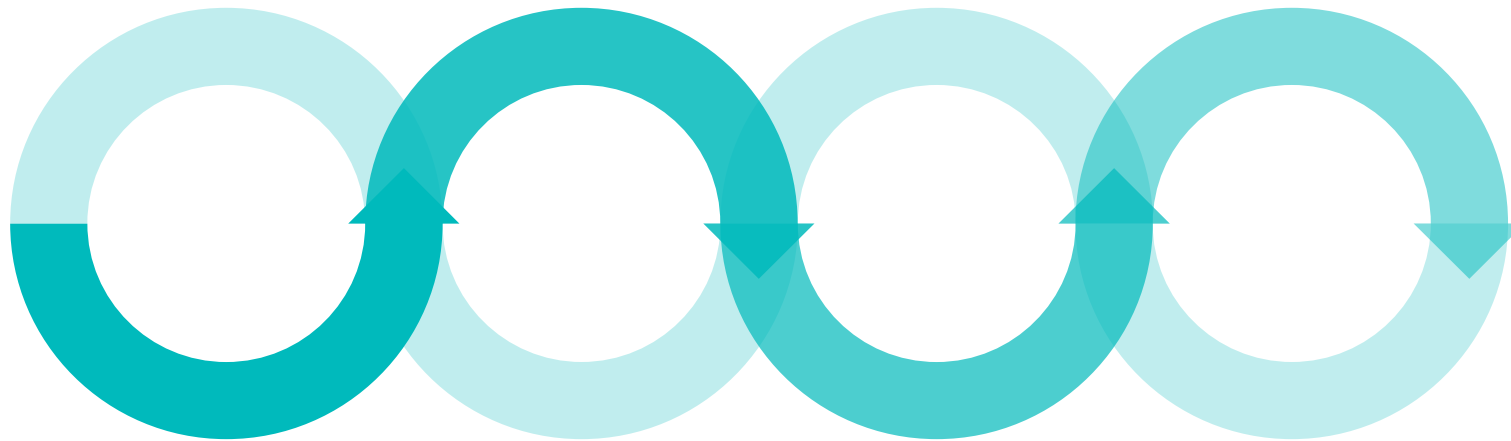
42KL Extra - Curricular Projects

02. ANCHOR PARTNER WORKSHOPS

After evaluating all the responses, we will be hosting a workshop with our anchor partners on how to build a bridge between our Cadets and your current digital aspirations.

04. EXTRA- CURRICULAR PROJECTS

And finally, we will release these projects to our students to tackle before they complete their 12-months Core Programme.



01. TECH STACK SURVEY

A survey form will be sent out to all anchor partners with regard to their current tech stacks and insights into your digital journey.

03. CURRICULUM DESIGN

We at 42KL will then proceed to design extra-curricular subjects for our cadets based on the output from the workshops.



Get In Touch

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