**ISPVMF Retreat Emcee Script**

**Slide 1:**

**Presenter 1**: Good Morning, I am <>

**Presenter 2**: and I am <>

**Presenter 1:** Welcome to the first day of the ISMPVMF retreat and your retreat committee has planned for you an interesting workshop – The code challenge.

**Presenter 2**: Are you sure you are in the right place – this is not a TD retreat, what is coding doing here? It’s I-S-P-V-M-F you know?

**Presenter 1:** Yes yes, I know it’s quite happening right? But this has been planned very much for this fantastic group of ISPVMF people. Today, you will be writing some real code to power a Rebot, a simple chatbot that you talk to on your very own phone.

**Presenter 2:** You may think today’s session is a lesson on programming. But no, prior coding skills or experience is not needed. Today is about showing all of you a little code, but to expose the logic and analytical thinking process behind it.

At the end, your team can challenge others to win prizes with pure logic.

**Slide 2: Video Slide**

**Presenter 1:** (Pre-video) Now here’s a short video featuring people from diverse backgrounds like sports, musicians, CEOs, etc. sharing about programming.

**Presenter 2:** (Post-video) This video demonstrates the simple point that everybody can and should learn programming. Today’s session is about giving you a start on this journey.

**Slide 3 : Steve and Hoe Yin’s slide  
Presenter 1**: As the famous Steve Jobs once said …(read quote)

**Presenter 2**: An equally famous personality in GIC circles also said… (read quote)

**Slide 4: Sudoku Slide**

**Presenter 1:** So if you are not convinced that coding is important. Let me give you a little more motivation. Can you guess who wrote this code? To give you a bit more context, the code can solve any Sudoku puzzle.

**Presenter 2:** No Guesses? Etc etc.

**Slide 5: Lee Hsien Loong Slide**

**Presenter 1:** It’s actually written by none other than our Prime Minister Lee Hsien Loong.

He wrote a program to solve Sudoku.

**Presenter 2:** So that’s coding is not only important, it can be fun too. So let’s look forward to a fun-filled session to gain some handy coding skills which has a potential to blossom into a core skill for you to be Future Ready in the tech-driven business model.

**Slide 6: Aim slide**

**Presenter 1:** So the objective for this session is to learn a bit about coding.

**Presenter 2**: As well as getting to know others from the team better. But more importantly, is to have fun. After all it’s a retreat.

**Slide 7: Agenda Slide**

**Presenter 1:** So here’s the agenda for today. We shall do some introduction to programming before lunch. Have lunch, then introduce you to the coding challenge for the day. But no worries, we will guide you and equip you with the code-fu you need to complete the challenge. And to round up the day, we shall hold a pitch to see what creative ideas you guys can come up with on what you learned today can help GIC.

**Presenter 2**: Sounds like a packed day is planned. Are you guys ready? (Click next slide)

**Slide 8: Get Ready:**

**Presenter 2**: Let us start with the first item of the day. Introduction to coding.

**Slide 9: Why Code**

**Presenter 2:**  So, Why Code? Why should you learn to code? And how it can benefit you? Isn’t it the job of TD?

**Slide 10: Super Power**

**Presenter 1:**  Well, coding is a kind of super power actually. Think about it. Our phones, the internet, pictures of cats on the internet. And those of you chatting with someone on Whatsapp. All these are enabled by computers, and guess how we talk to computers? Through code.

**Slide 11: Building Slide**

**Presenter 2:** I understand that, but why SHOULD I Code? Someone else can do that.

**Presenter 1:** Well, yes that’s true, most of us don’t really code in the day to day lives. But that doesn’t mean it’s not important to understand the principles behind coding.   
Take for example, you are renovating a new house. Do you need to know how to paint a wall? Install the lights? The floor? You don’t. But you need to understand what does a good paint job looks like. How the lighting in the house works, or how the floor tiling are installed. Otherwise, how do we supervise the renovation of our house? How do we know if the contractors are doing their job?

Same thing here, while we do not need to code. Knowing the principles of coding and how computers work can help us in understanding the software that we use everyday.

Presenter 2: Ok, that make sense. Let’s get started then!

**Slide 12: Computers are stupid**

**Presenter 1:** So coding is a way we communicate with computers, telling computers what we want. So the first thing you need to know about computes is. Computers are very very fast. So Fast. But they are stupid. Very very stupid. They will only do what you told them to do. And nothing more.

So, let’s say I tell you to make me a sandwich. You probably understand what is a sandwich, and how to make them.

But not to a computer. Not even if you break them down to steps like that: take a slice of bread….apply butter..etc. That wont work.

The actual code you need to do probably looks closer to this. Move arm to coordinates etc. etc etc.

So we need to be very exact in our instructions to the computers.

**Slide 13: Python**

**Presenter 2:** Fortunately, coding has come a long way. And people has come up with easier ways to communicate with computers. One of the coding language invented is called Python. And yes, it is named after a snake. But that doesn’t mean you guys can ‘jiak zua’.

**Slide 14: Python**

**Presenter 1:** So what is python? As mentioned previously, Python is a programming language. Computers only speak in 1s and 0s, and we don’t understand 1s and 0s. So we need a way to instruct the computers. And thus, programming languages.

Python is considered one of the more advanced programming language and is relatively close to English. Python is quite popular among programmers and it is often used for data analytics.

**Slide 15: Rebot.chat**  
**Presenter 2:** So let’s get started! If you guys haven’t do it, go to this webpage.