

Base Camp Back Up

Gaining confidence to promise personal growth to members

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Sultan Toastmasters Club

Area 1, Division A, TMI





SCAN ME

Talk Description

In this talk, we explore ways to be resilient as a club against risks related with digitization.

We explore how to we can safeguard the growth and development of our members.

We explore how to transparently track our Toastmaster's so that we can support each other in moving forward and celebrate each other's achievements and victories.

Problems

1. Risks with using the Pathways Platform
2. Issues with tracking Path Completions
3. Concerns with repetitive Speech Projects

Features

1. You now have access the PDF version of the speech projects
2. The template can be shared to officers and club members for tracking
3. We can now see what has been finished so we can adjust/ adapt speech projects

3-minute Demo and Discussion

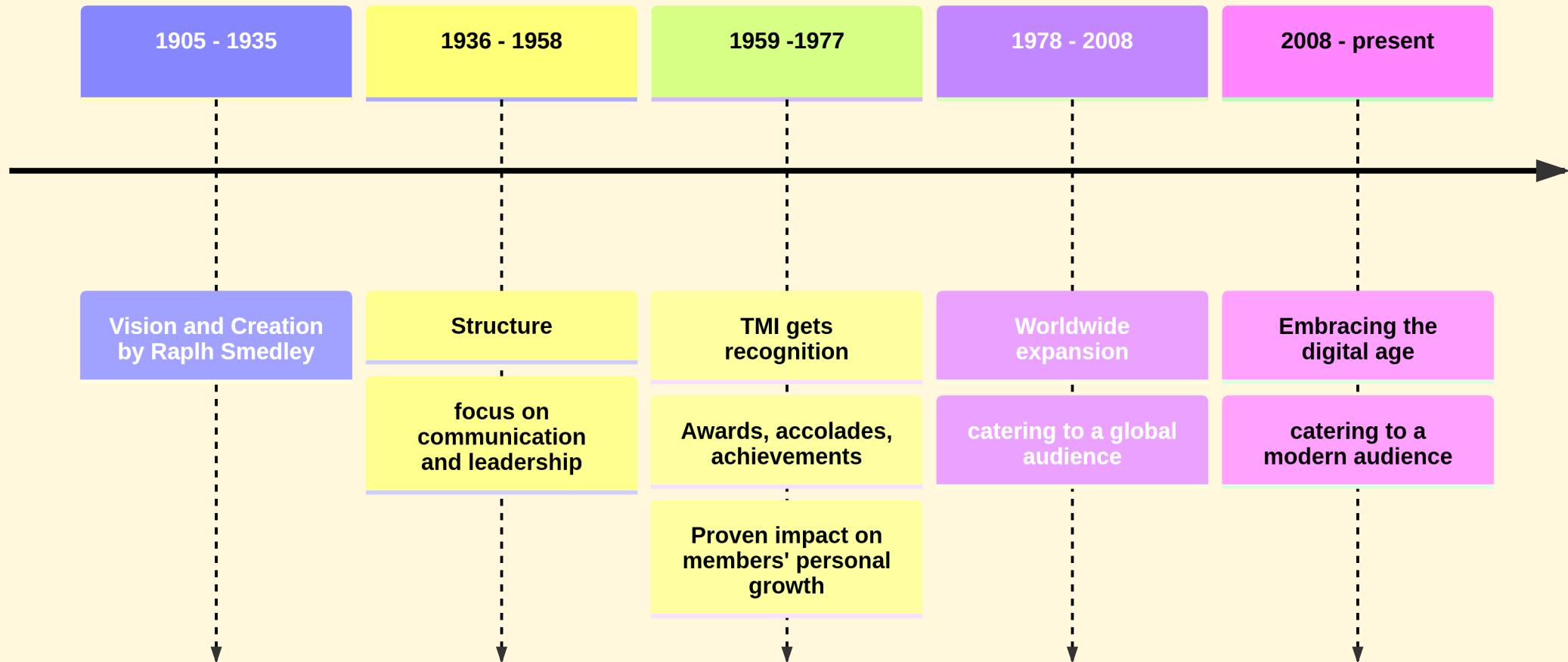
RETURN TO ROOTS

Sultan Toastmasters

June 2024

Roy Canseco & Ronnie Canseco

TMI History



01

Vision

Vision

- To have Zero membership problems
- To have new members wanting to come back because of the impact and benefit of the club in their personal development
- To have senior and core members get fulfilled from their continuous improvement and from making a difference in the lives of others

02

Structure

Flexible Structure

- TMI meetings are expected to last 1-2 hours, with most lasting 1-1.5 hours.
- Prospects and new members appreciate the minimal time commitment.
- the core meeting can be table topics, prepared speeches and evaluations
- we can have a pre-meeting (like a front act band) with the word of the day and the light moments
- we can have a post-meeting (like a business meeting) with lateral evaluations, planning, socials

Time breakdown suggestion

Toastmasters Meeting	Time Range (min)
Opening and Introductions	5-10
Table Topics	10-20
Prepared Speeches	15-30
Evaluations	15-25
Closing and Announcements	5-10

By keeping the core meeting within **90 minutes**, we can have a non-threatening time commitment offering for new members and guests. :)

03

Impact

Share stories of impact


- We always encourage including personal experiences in speeches to foster authentic connection to the audience
- We all know of situations that could be improved or fixed with good communication or leadership
- We can share personal wins through communication and leadership

04

Inclusiveness

We can recognize concerns more

- some people can't stay for 2++ hours per meeting at this point in their life
- some people can't do a weekly meeting with preparations
- some people have a seasonal pattern of very busy months followed by more relaxed and free months
- some people can't pay full price every 6 months



By figuring out ways for the club to create impact in the lives of new members and guests with their current resources (time, talent, treasure), they'll stay. Or if they go, they'll come back when they can.

05

Modernizing

Zooming with A.I.

- Hybrid meetings won't go away. How about F2F once a month while jointly celebrating birthdays?
- AI isn't coming, it's here. How about assuming it's in play baseline while learning to put it to use?

In summary

- We want the club to live with happy members who come back, stay and pay.
- We want to flex our structure to accommodate more such new members
- We want to figure out how deliver and acknowledge value and impact
- We want to accommodate individual circumstances into club expectations
- We want to continue to evolve and be relevant in a world of hybrid meetings and A.I

Thanks!

Do you have any
questions?

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Teacher and I.T. Practitioner

I have had the privilege of teaching at various institutions, including the Institute of Electrical and Electronics Engineering (IEEE), the Department of Computer Science (DCS) and the Virata School of Business at the University of the Philippines Diliman (UPD). During my time at UPD, I actively contributed to the development of UPD's Moodle-based UVLe LMS as a Project Development Associate.

Currently, I am teaching at Philippine Science High School - Main Campus, where I served as the head of the Information Technology Unit (MIS) during the deployment of our Moodle-based Learning Management System called KHub.

Roy Canseco

CS Teacher , MIS - PSHS-MC

According to a study funded by Google, under the direction of ACM, and in partnership with Microsoft:

"Computer science educators often struggle with limited access to **up-to-date materials, software, and hardware**"

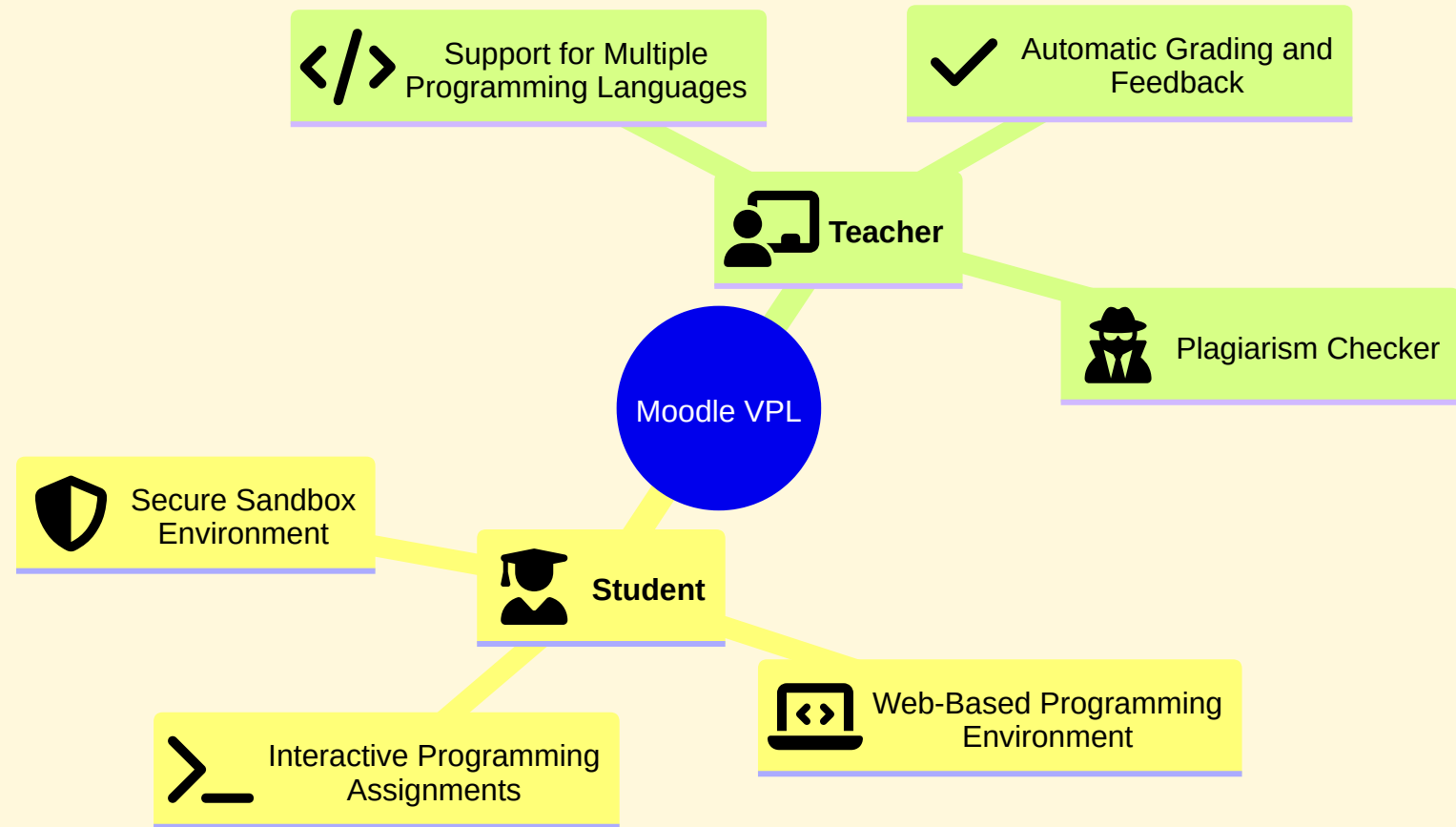
-University of Chicago Study

01

VPL - Virtual Programming Laboratory

Benefits

Virtual Programming Laboratory



02

Recent Studies on A.I. for Computer Science Education

Becker et al, in 2023, discussed ways in which AI tools can help students learn programming:

1. **AI-generated solutions** can provide students with model answers to programming exercises
2. AI can generate **explanations of complex code**
3. Educators can leave low-level code to A.I. then **shift the focus to algorithms**
4. AI-generated starter code can help students **combat programmer's writer's block**

03

VPL Secure and Cost-Effective Setup

VPL Setup and Use

1. ***Install VPL plugin*** - Installing Moodle VPL is a straightforward process that involves uploading the plugin package and configuring the settings.
2. ***Setup VPL Jail Server*** - Involves setting up a dedicated server, installing the necessary packages, configuring the server, and testing the installation.
3. ***Create VPL Assignments*** - Creating VPL assignments involves careful planning, designing, and testing to ensure they align with learning objectives and effectively assess programming skills.

VPL Plugin

- Program in the browser.
- Run tests to grade the programs.
- Check for file similarity.
- Restrict copy-pasting.

Getting VPL-Jail-System

1. Enter your server

- install Visual Studio Code and use the terminal there Open VSCode and press Ctrl-` (i.e. control backtick)
- `ssh root@<your-server-ip>`

2. Download the system:

```
wget https://vpl.dis.ulpgc.es/releases/vpl-jail-system-4.0.2.tar.gz
```

3. Unzip the installer:

```
tar xvf vpl-jail-system-4.0.2.tar.gz
```

04

VPL config of Philippine Science High School - MC

Tips for installing for the first time:

- say yes to **LetsEncrypt**
- put in your **email** when asked for
- type in the given **fully qualified domain name** when asked for (e.g. from Linode)
- say **no** to Kotlin
- say **no** to JGrasp
- then make sure to **accept the connections to VPL** when the browser directs you to

also go to the Local Execution Server, type a space in the box and then hit save.

If not using cron, run the following every 1 to 2 months

```
systemctl status vpl-jail-system.service  
systemctl restart vpl-jail-system.service  
  
cd ~  
cd vpl-jail-system-4.0.2  
./install-vpl-sh full noninteractive start
```

- This will renew your Let's Encrypt SSL certificate
- You can run the code sooner if notice any problems with the VPL Jail Server
- Prepare to wait a bit, but the terminal should show you how things are going.

What it means:

-

```
./install-vpl-sh full noninteractive  
start
```

-

- **full** means to install all the languages it fully supports
- **noninteractive** means to NOT ask you to do anything
- **start** means to start the server once the installation is finished

Automating daily VPL service restart

- To set up a cron job to restart a service every day on Ubuntu 20.04

```
crontab -e
```

- In the crontab file, to restart the service every day at 3:00 AM, you can use:

- ```
0 3 * * * systemctl restart vpl-jail-system.service
```

- When setting up cron jobs, it's important to ensure that the user has the **right permissions** (e.g. root) to restart the service.

# Automatically restart the server weekly

- The VPL jail server service will automatically run when after the server restarts
- To automatically restart the server every week in Ubuntu 20.04, you can set up a **cron** job to schedule the restart.

```
crontab -e
```

- In the crontab file, add the following line to schedule the server restart every week:

```
0 0 * * 0 reboot
```

# Automatically reinstall the VPL jail system monthly

- To automatically reinstall the VPL jail system from the installer every month in Ubuntu 20.04, you can set up a **cron** job to schedule the reinstall.

```
crontab -e
```

- In the crontab file, add the following line to schedule the system reinstall on the first day of every month:

```
0 0 1 * * cd ~; cd vpl-jail-system-4.0.2; ./install-vpl-sh full noninteractive start
```

no need to do any manual commands at this point



# Add the server address to your list of VPL Execution servers

- We simply use the IP address

```
http://xxx-xxx-xxx-101.ip.linodeusercontent.com
http://xxx.xxx.xxx.101
```

VPL should now be  
ready for class. :)

# Resources

- AI-gen picture: **Leonardo AI**. 2024. <https://app.leonardo.ai/ai-generations>
- AI-gen picture: **Cici AI**. 2024. <https://www.ciciai.com/chat>
- icons: **Font Awesome**. 2024. <https://fontawesome.com/v6/>
- Slides template was created by **Slidesgo** , ported to **Marp**



# Extra slides for Workshop

# Creating Programming Assignments with Moodle VPL

- Step-by-step guide on how to create programming assignments using the plugin
- Defining programming tasks, requirements, and constraints
- Setting up programming languages, libraries, and compiler options
- Configuring evaluation criteria and grading methods
- Demonstrating the use of test cases and expected outputs

