



# Professional Practice TEAM REPORT

Planning a training Event

Teacher: Ngo Ngoc Tri

Team members: Tran Quang Huy

**Nguyen Duc Dung** 

Thatsadaphone Inthatpakdy

Class: GCD0825







#### **ASSIGNMENT 1 FRONT SHEET**

Qualification	BTEC Level 4 HND Diploma in Computing					
Unit number and title	Unit 3: Professional Practice					
Submission date		Date Received 1st submission				
Re-submission Date		Date Received 2nd submission				
	Student names & codes	Final scores	Signatures			
	1. Tran Quang Huy		HUY			
Group number: 3	2. Thatsadaphone Inthatpakdy		BEE			
	3. Nguyen Duc Dung		DUNG			
Class	GCD0825	Assessor name	Ngo Ngoc Tri			

#### **Student declaration**

I certify that the assignment submission is entirely my own work and I fully understand the consequences of plagiarism. I understand that making a false declaration is a form of malpractice.

P1	P2	P3	P4	P5	P6	M1	M2	М3	M4	D1	D2	D3





#### **OBSERVATION RECORD**

Student 1	
Description of	activity undertaken
Assessment &	grading criteria
How the activity	y meets the requirements of the criteria







_				
Student signature:		Date:		
Assessor signature:		Date:		
Assessor name:				
Student 2				
Description of activity undertaken				







ance with	<b>EPT</b> Education
	Assessment & grading criteria
	How the activity meets the requirements of the criteria







Student signature:		Date:		
Assessor signature:		Date:		
Assessor name:				
Student 3				
Description of	activity undertaken			
Assessment & grading criteria				







How the activi	ty meets the requirements o	of the crit	eria	
<b>0</b> , 1				
Student signature:		Date:		
Assessor signature:		Date:		
Assessor name:				
Student 4				
Description of activity undertaken				







ance with	<b>EPT</b> Education
	Assessment & grading criteria
	How the activity meets the requirements of the criteria







Student signature:	Date:	
Assessor signature:	Date:	
Assessor		
name:		







☐ Summative Feedback:	☐ Re	submission Feedback:
Grade:	Assessor Signature:	Date:







Internal Verifier's Comments:	
Signature & Date:	



#### Alliance with FFT. Education

# **Contents**

INTE	RODUCTION	
CHA	APTER 1: PROJECT INITIATION	2
1.	Project Charter	2
2.	Project Budget	5
CHA	APTER 2: PROJECT PLANNING	7
1.	Project Gannt Chart	7
2.	Schedule 4 days event	8
3.	Milestone	10
4.	Risk Assessment	11
CHA	APTER 3: PROJECT CLOSURE	14
1.	Lessons learned	39
2.	Closure Checklist	40
CON	NCLUSION	41
Refe	erences	42





#### **TABLE OF TABLES**

Table 1 - Project charter. (nyu, n.d.)	4
Table 2 - Event budget	
Table 3 - Event schedule	
Table 4 - Risk assessment	
Table 5 - Lessons learned (its.sfsu, n.d.)	39
Table 6 - Closure Checklist. (its.sfsu, n.d.)	

#### **TABLE OF FIGURES**

Figure 1 - Team Gannt chart. (teamgantt, n.d.)	. 7
Figure 2 - Team Gann chart schedule	. 7
Figure 3 - Milestone	10



#### INTRODUCTION

This event was organized for Gree Tech employees. Through the company's employee program will be trained many skills from expertise to soft skills to better serve the job.

2019 is the year of the technology age, when the industry 4.0 is growing, the integration for companies is indispensable. Therefore, the program is organized to improve the knowledge of employees about Internet of Thing (IoT). After grasping how the operation works, employees can create products for themselves to serve living or working.

The event took place within 4 days including: workshop, training, teambuilding and hackathon. Held at Nam Viet A building with 30 to 40 attendees with many speakers with high qualifications.

#### **CHAPTER 1: PROJECT INITIAT ION**

Project initiation consists of project charter and project budget that are shown in the following table:

#### 1. Project Charter

1. General Project In	formation						
Project Name:		IoT Grand Challenge					
Executive Sponsors:		University of Greenwich, IoT Club.					
Department Spons	sor:	Nam Vi	et A building				
Impact of project:		Learnir	ng more about loT ar	nd professional p	practice skills		
2. Project Team							
	Name		Department	Telephone	E-mail		
Project Manager:	Tran Qu Huy	ang	Leader	0795541090	Huytqgcd18457@fpt.edu.vn		
Team Members:	Thatsad e Inthat		Member	0765557787	kayeriveren@gmail.com		
	Nguyen Dung	Duc	Member	0835520820	Huongkhe123@gmail.com		
3. Stakeholders (e.g.,	those with	a signific	cant interest in or who	will be significantly	affected by this project)		
Director of Greenwich	university						
Building manager							
Team members							
Head of parts in Gree	Tech com	pany					
Employees							
4. Project Scope Stat	ement						
Project Purpose / Business Justification Describe the business need this project addresses							
A event hold for internal employees over a four days period at Nam Viet A building. This event include: Workshop, Training, Teambuilding, Hackathon. It have a lot of skills for employees to improve professional skills. Through this event, everyone will know about IoT and can do some simple IoT project. In the future, company will research smart house and city.							

Objectives (in business terms) Describe the measurable outcomes of the project, e.g., reduce cost by xxxx or increase quality to yyyy

- Expected that 30 employees will attend the event.
- A large room that will have 70-80 seats.
- 50 IoT device for practice.
- Speaker and motivational coaches: 2 weeks notice.

Deliverables List the high-level "products" to be created (e.g., improved xxxx process, employee manual on yyyy)

Over 90% employees are provided with sufficient skills and skills to improve

**Scope** List what the project will and will not address (e.g., this project addresses units that report into the Office of Executive Vice President. Units that report into the Provosts Office are not included)

- Basic content about IoT.
- Assist employees with professinonal skills provided when they attend the event
- No retraining for those absent.

**Project Milestones** Propose start and end dates for Project Phases (e.g., Inception, Planning, Construction, Delivery) and other major milestones

- Upload all the event schedule will begin on July 6<sup>th</sup>, 2019
- Complete all prepare processes and testing event on July 13<sup>th</sup>, 2019
- Event start on July 14th, 2019 and End on July 17th, 2019

Major Known Risks (including significant Assumptions) Identify obstacles that may cause the project to fail.

Risk	Risk Rating (Hi, Med, Lo)
The time of the event is not as planned	Medium
Something happened with Speaker & Motivational	High
Few employees participate in the event	Low
The building has a problem	Low
Technical problems	Medium

**Constraints** List any conditions that may limit the project team's options with respect to resources, personnel, or schedule (e.g., predetermined budget or project end date, limit on number of staffs that may be assigned to the project).

- Limited budget for event organization
- Limination of employees in event

**External Dependencies** Will project success depend on coordination of efforts between the project team and one or more other individuals or groups? Has everyone involved agreed to this interaction?

- There is an agreement between the stakeholder and organizer
- 5. Communication Strategy (specify how the project manager will communicate to the Executive Sponsor, Project Team members and Stakeholders, e.g., frequency of status reports, frequency of Project Team meetings, etc.

All company employees agreed to attend the full event and be on time (before 15 minutes each event). Besides updating event information via means like Facebook, Email, etc ..

6. Sign-off						
	Name	Signature	Date (MM/DD/YYYY)			
Executive Sponsor						
Department Sponsor						
Project Manager						

#### 7. Notes

Table 1 - Project charter. (nyu, n.d.)

#### 2. Project Budget

CATEGORY		PROJE SUBT		ACTUAL SUBTOTAL	COMMENTS
Venue	SUBTOTALS		VND 7,600,000	VND 6,900,000	
Location Rental		VND -			
Event Staff		VND 3,300,000		VND 3,500,000	
Equipment Rental		VND 3,800,000		VND 3,200,000	
Additional Tables /	Chairs	VND 500,000		VND 200,000	
AV					
Travel	SUBTOTALS		VND 5,400,000	VND 5,500,000	
Flight / Driving		VND 1,600,000		VND 1,700,000	
Lodging		VND 2,200,000		VND 2,000,000	
Per Diem		VND 1,600,000		VND 1,800,000	
Public Relations	SUBTOTALS		VND 5,650,000	VND 5,300,000	
Announcements		VND 3,500,000		VND 3,000,000	
Graphics		VND 1,200,000		VND 1,500,000	
Press Releases		VND 950,000		VND 800,000	
Decor	SUBTOTALS		VND 3,270,000	VND 2,700,000	
Linens		VND 1,900,000		VND 1,500,000	
Lighting		VND 700,000		VND 500,000	
Additional Signage		VND 670,000		VND 700,000	
Event Programming	SUBTOTALS		VND 7,400,000	VND 8,400,000	
Speakers		VND 4,500,000		VND 5,000,000	
Performers		VND 800,000		VND 900,000	
Video Production		VND 900,000		VND 1,000,000	

Presentation Graphics		VND 1,200,000		VND 1,500,000	
Social Media	SUBTOTALS		VND 1,300,000	VND 1,000,000	
Facebook		VND 800,000		VND 500,000	
Instagram		VND 500,000		VND 500,000	
Advertising	SUBTOTALS		VND 2,200,000	VND 2,200,000	
Online		VND 1,000,000		VND 950,000	
Print		VND 500,000		VND 450,000	
Outdoor		VND 700,000		VND 800,000	
Refreshments	SUBTOTALS		VND 6,000,000	VND 6,200,000	
Drinks		VND 1,500,000		VND 2,000,000	
Food		VND 4,500,000		VND 4,200,000	
Catering Staff					
Other	SUBTOTALS		VND 4,200,000	VND 3,600,000	
Gift Bags		VND 2,000,000		VND 1,000,000	
Pens		VND 700,000		VND 800,000	
Notebooks		VND 1,000,000		VND 1,200,000	
Packet Printing		VND 500,000		VND 600,000	
	TOTAL		Event hudget	VND 41,	800,000

Table 2 - Event budget

#### **CHAPTER 2: PROJECT PLANNING**

#### 1. Project Gannt Chart

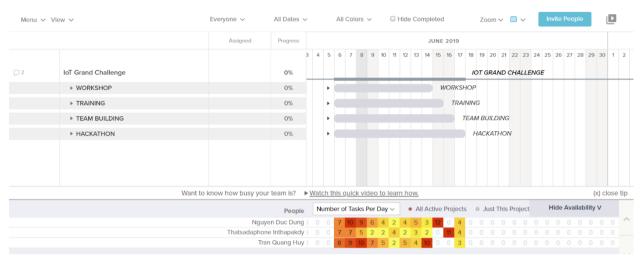


Figure 1 - Team Gannt chart. (teamgantt, n.d.)

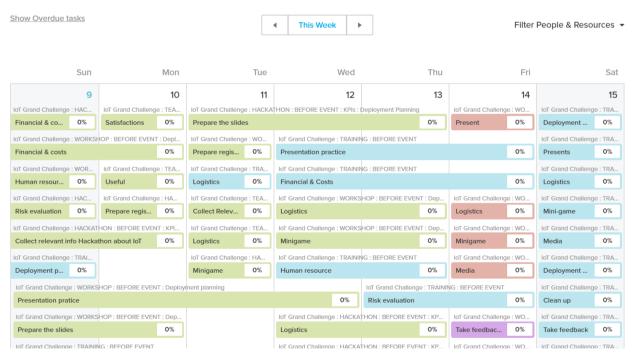


Figure 2 - Team Gann chart schedule

#### 2. Schedule 4 days event

			Day 1
No.	Time	Activity	Note
		_	
2	14:00 14:30	Check-in	Everyone needs to check-in before coming to room
	14.30	Warm up	A mini game for all employee
3	14:45	Start IoT presentation	Speaker: Quang Huy
4	16:15	End IoT presentation	Invite all staff to attend the event outside the hall using water and cake
5	16:20	Tee break	Water and cake
6	16:30	Showing IoT product	Display and exhibit IoT products
0	10.50	Showing for product	End the first day and remind everyone to attend the
7	17:30	End Day 1	event tomorrow
8	17:35	Clean up	Clean up the event area
			Day 2
No.	Time	Activity	Note
140.		Focus at the Building	Note
1	7:30	and Check attendance	Everyone needs to check-in before coming to room
2	8:00	Guide places and seats	instruct participants to sit in the seat according to the nametag
3	8:30	Introducing event content and speaker and staff will give the agenda paper	All staff will give the agenda paper
4	8:45	The speaker will talk about c programming	The staff will bring all the documents related to the training
5	11:30	Mini game	Divided into groups, made friends with each member
6	12:00	Break and have lunch	all staff will guide participants to the dining room next door (Make sure everything's prepared)
7	13:00	Take attendance	Event staff will check attendance again
8	13:10	Training skills for the staff	Follow the instruction of the speaker
9	14:30	The speaker will talk about current applications of C programming and future development trends.	Slides show and videos
10	17:00	Participants to fill out the feedback form	all staff provide pens and papers
11	17:30	Rest and prepare for the next day	Briefly discuss the content of the next day and guide participants to take the car back.

			Dow 0
			Day 3
No.	Time	Activity	Note
1	7:00	Check attendance	Everyone needs to check in before coming to room
2	8:30	Presentation	Organizer will present
3	9:00	programming practice	Everyone brings own laptop
4	11:40	have meals	
5	13:30	Circuit competition	provide 1 circuit per group
6	15:10	Giving reward	Reward winner by Sponsor
7	15:40	closure presentation	talking about skill benefit of IOT in doing Team building
			Day 4
			Day 4
No.	Time	Activity	Note
1	14:00	Check-attendance	Everyone needs to check-in before coming to room
2	14:30	Contest guide	All staff will guide participants to take part in Hackathon
3	14:45	Provide equipment	Provide equipment for IoT for employees participating in the program
4	15:00	Start Hackathon	Start the competition and each group will have a separate area to operate
5	18:00	End Hackathon	Receive products from groups
6	18:10	Tee break	Serve water and cake
7	18:30	Announcement of the award	Call the guests to gather, Announce the winning results and reward the team winner
8	19:00	Gala dinners	The party is open to all staff participating in the program including food and music
9	20:30	End IoT Grand Challenge	Notice of ending the IoT Grand Challenge program series and thank everyone who participated
10	20:35	Clean up	Clean up the entire area cleaning
11	21:00	Hand over the facilities	Hand over the room and equipment borrowed from the building

#### 3. Milestone

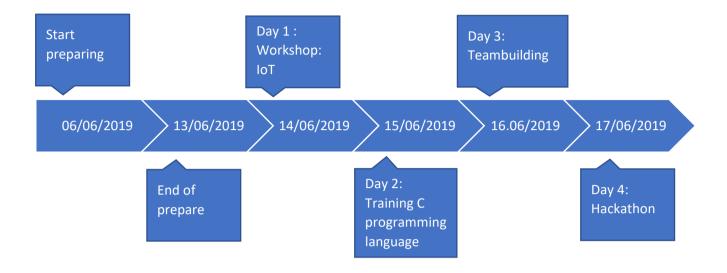


Figure 3 - Milestone

#### 4. Risk Assessment

Topic	Risk	Responsible by	Current risk rating (High, Medium, Low)	Minimize risk by:	Risk rating after action taken (High, medium, low)	Date longed
	Problem in planning	Event Staff	High	Check the list to do carefully and have backup solutions	Low	Before event
Planning	Problem in Budget	Event Staff and Venue Staff	High	Carefully calculate and have backup solutions	Low	Before/ after event
	Not enough place or table/chair	Event Staff	High	Should rent excess seats or tables (from 5-7)	Low	During event
	Traffic Jam	Event Staff and Venue Staff, Public	High	Should come early	Low	Before/ during event
On the road	Traffic Accident	Event Staff and Venue Staff, Public	Low	Drive carefully and should go early to avoid other	Low	Before event
	Transport Vehicles Damaged	Event Staff and Venue Staff, Public	High	Check the vehicles carefully	Low	Before event
Service	Food/Drink have problem	Venue Staff	Medium	Check the food quality first	Low	After event
	Customer care issues	Event Staff and Venue Staff	Medium	Should be patient and create a professional attitude	Low	During event

	Stomachache	Event Staff and Venue Staff, Public	Medium	Should prepare first aid kit and car is available outside	Low	During event
	Explosion	Venue Staff	Low	Prepare fire alarm devices  Check the infrastructure of	Low	During event
External factors	Place collapsed  Electric down	Venue Staff  Venue Staff	Low	Should check the problem of power first, check carefully	Low	During event  During event
	Terrorism	Event Staff and Venue Staff	Low	Security checks and strangers in the event	Low	Before/ during event
	Bad weather	Venue Staff	Medium	Check the weather forecast how about that day	Low	Before event
Internal factors	Staff forget	Event Staff and Venue Staff	Low	Remind and check the need to clear	Low	Before/ during event

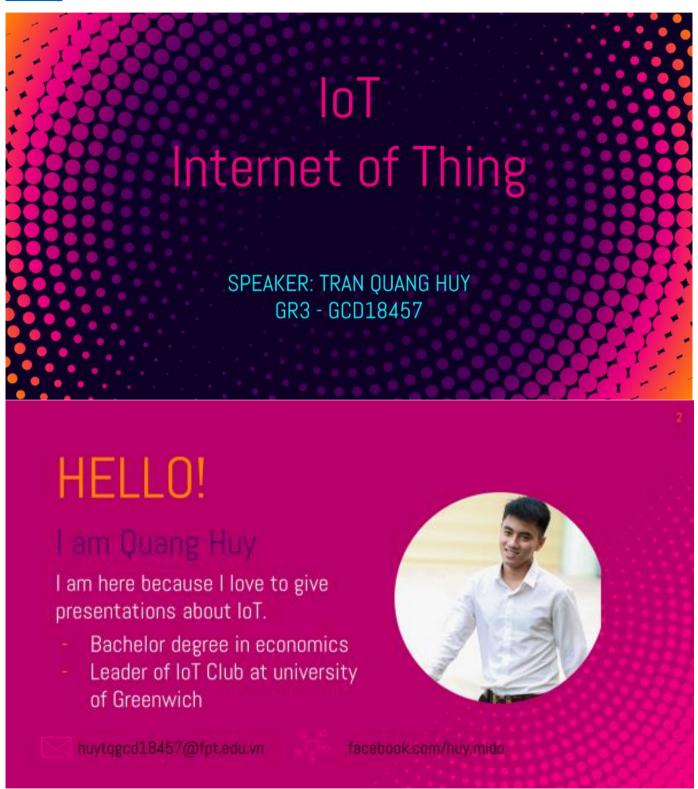
Table 4 - Risk assessment

#### **CHAPTER 3: PRESENTATION**

#### 1. Day 1: Workshop IoT

These slides we create by Google Slides:

https://docs.google.com/presentation/d/1eDe92tLVg3o rJN4adU6B sT3HwlMBxjREep8G8n2UI/edit?usp = sharing



# **AGENDA**

- 1. What is IoT?
- 2. How IoT can work?
- 3. The future of IoT

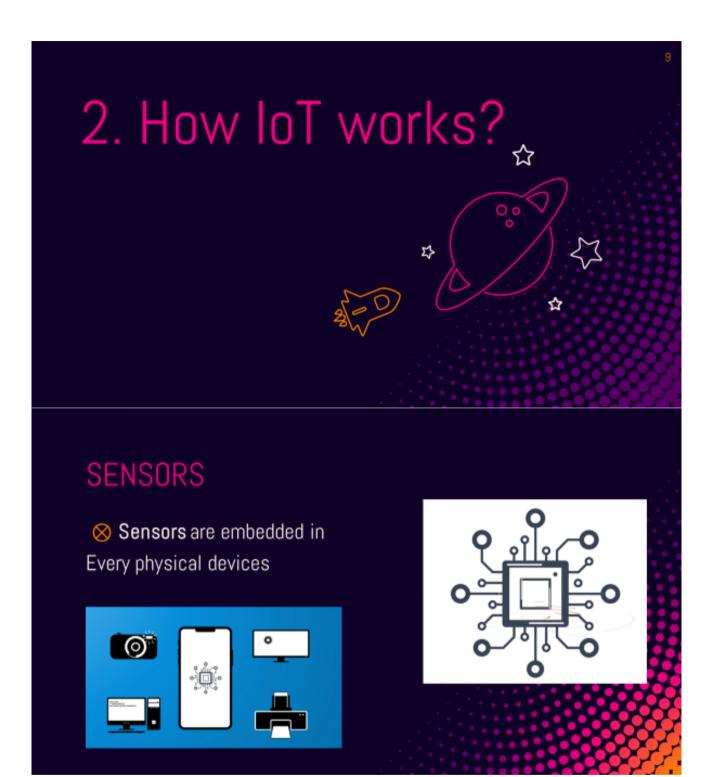
The Internet of Things has the potential to change the world, just as the internet did.

Maybe even more so.

- Kevin Ashton -



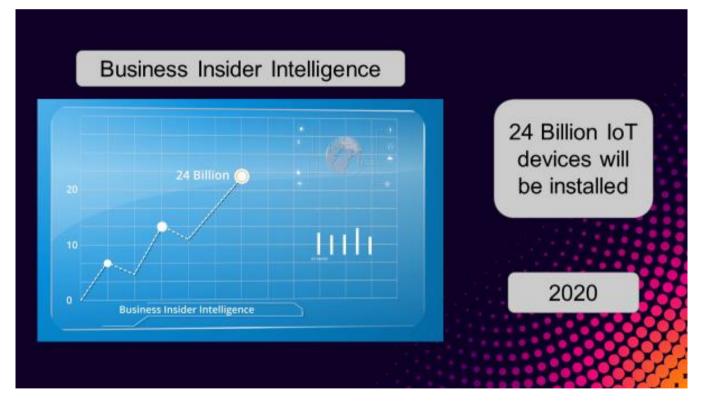


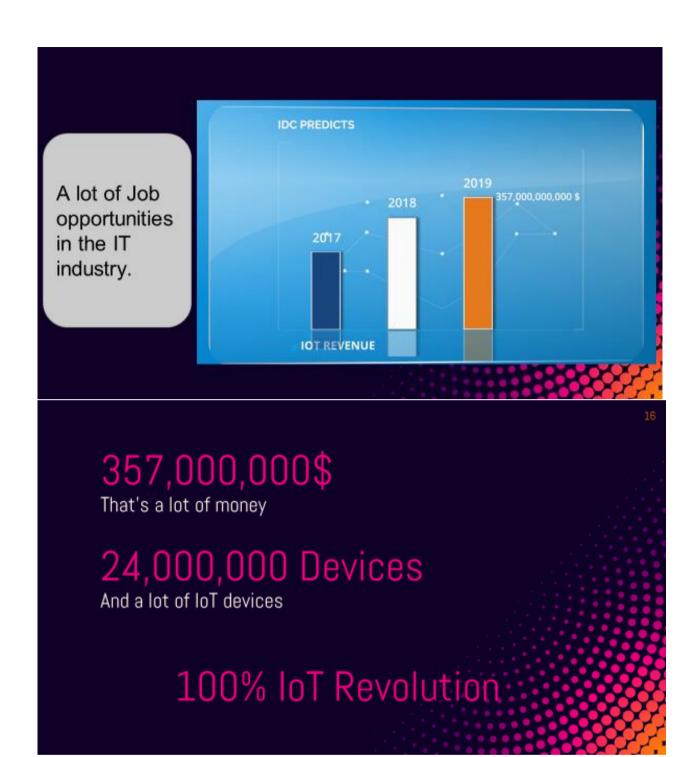






# 3. The future of IoT industry is Huge





# THANKS FOR LISTENING!

# Any questions?

You can find me at: facebook.com/huy.mido

Or huytqgcd18457@fpt.edu.vn

Reference: https://www.youtube.com/watch?v=LlhmzVL5bm8

#### 2. Day 2: Training C programming language

These slides we create by Google Slides:

https://docs.google.com/presentation/d/1\_EQLHE3X1Svfiuu2172eP4791Jh6-sDfjy2e8skR WI/edit?usp=sharing





### **Agenda**

01 C Programming

What is C programming?

**102** Pros and Cons

What are its disadvantages and advantages?

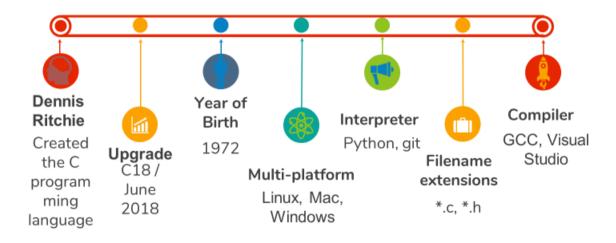
03 Benefits

Benefits when learning C programming

04. Career prospects & how to learn

Learn C programming for what to do?

# **C** Programming



```
8
9
10     strcpy(str1, "abcdef");
11     strcpy(str2, "ABCDEF");
12
13     ret = strcmp(str1, str2);
14
15     if(ret < 0) {
        printf("str1 is less than str2");
17     } else if(ret > 0) {
        printf("str2 is less than str1");
19     } else {
        printf("str1 is equal to str2");
21     }
22     return(0);
```

## **Pros and Cons**

# Pros Portable language Easy to learn User-defined function Cons Data security High-level constructs No run-time checking



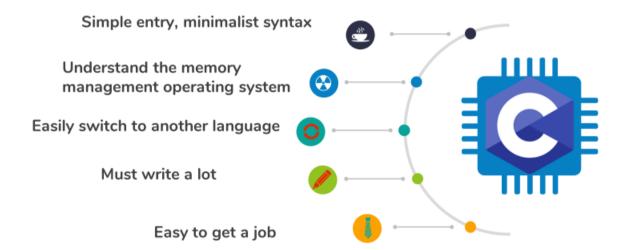




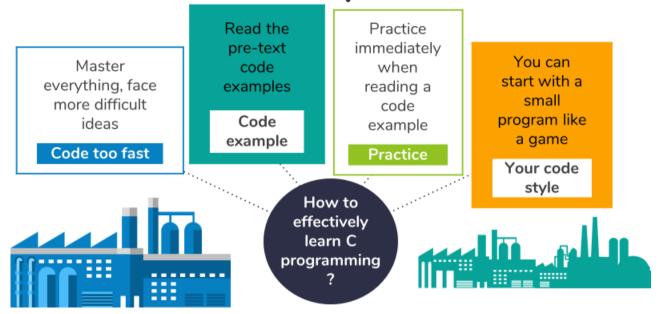
# Mini-game



## **Benefits**



## **Effectively Learn**



## Career prospects of programming industry

## Windows, Enterprise applications

Warehouse management, core banking, air ticket system

Mobile application
Application on Android and iOS operating systems such as Facebook, Instagram.



#### Web

News websites, sales like kenh14.vn, amazon.com to complex web applications like Google, Dropbox.

#### **Embedded software**

Circuit design and writing programming code for it

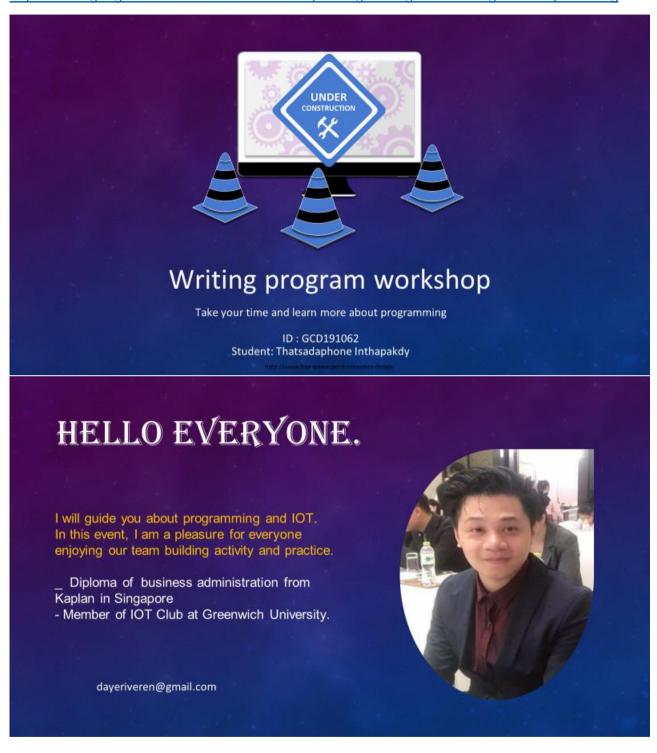




## 3. Day 3: Teambuilding

These slides we create by Google Slides:

https://drive.google.com/file/d/1rRRnwu7NboOj2eWPgMUGvgn7B-zBW4-g/view?usp=sharing



# Workshop's objective



By the End of the workshop you will be able to:

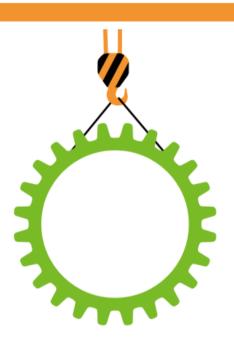
Understand what is programming

Know how begin to write programming

Know How many type of programming language

Guess what is Circuit that look like

COMPUTER REPAIR & SUPPORT



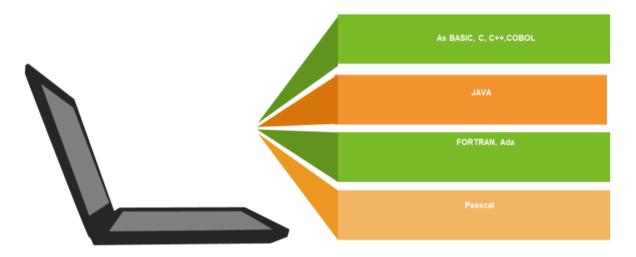
# **Programming**

A programming language is a vocabulary and set of grammatical rules for instructing a computer or computing device to perform specific tasks.

.Process of writing computer programs.

Process of scheduling something, especially radio or television programs.

# **Programming Language**



COMPUTER REPAIR & SUPPORT



You might think why do we learn programming?

COMPUTER REPAIR & SUPPORT

# The purpose

#### Purpose of Programming Languages

- To help PEOPLE communicate ideas
  - · To the computer
  - · To other people
  - · To their future selves
- Programming languages are designed to help people express ideas precisely and concisely.
  - The more "natural" the language is the better people can express ideas
  - · Different languages do this in different ways



#### Our workshop's Purpose

The practice of programming is one of teaching the computer to do something. The purpose of programming is to create. The languages, machines, compilers and interpreters are only tools; brushes to painters.

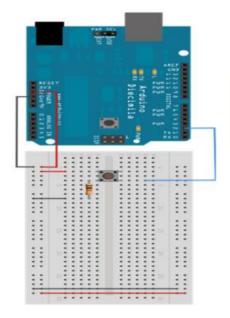
# Programming's code

```
// digital pin 2 has a pushbutton attached to it. Give it a name:
int pushButton = 2;

// the setup routine runs once when you press reset:
void setup() {
    // initialize serial communication at 9600 bits per second:
    Serial.begin(9600);
    // make the pushbutton's pin an input:
    pinMode(pushButton, INPUT);
}

// the loop routine runs over and over again forever:
void loop() {
    // read the input pin:
    int buttonState = digitalRead(pushButton);
    // print out the state of the button:
    Serial.println(buttonState);
    delay(1);    // delay in between reads for stability
}
```

This Code is used for controlling device to work step By step



# Circuit

## Team building:

#### 3 activities in afternoon.

- 4 teams do team activities.
- ➤ Controlling robot: Use robots to move objects to their destination. (The team reaches first to win.) reward by robot trophy
- ➤ Non verbal Game: one of members will guess the word or sentence that team members do prefrome or action without Saying by the word was provided. (whose team finish words more than other in 15 minutes, will win). (a rule that is if saying, team will be cut off from game). this activity can improve your observation.
- ➤ turning T-shirt around: a member wear t-shirt and run around then turn to next runner with chang same t-shirt to him/her. ( with in 15 minutes whose team make lot of turning more than ,will win).( the rule, runner can't take off t-shirt by own, should hold hands with next runner then let team members turn to him/her). this activity will improve coordination of team working to be more and more Effective.

#### Team closure:

- every team take picture
- picture all participants
- sharing contract and Facebook



## 4. Day 4: Hackathon

These slides we create by Google Slides:

https://docs.google.com/presentation/d/1Gyyl25fBbglXJZkJA6J7M6K\_GZNdeEPx5VXcndlpcel/edit?usp=sharing

# **HACKATHON**

# **IoT Grand Challenge**

## Team

\_\_-

- Participants will be divided into small team, each team will have 6 members. (5 Group)
- The competition will have 2 topics given.

## **Points**

\_\_\_

Rank	Point	
1	100	
2	90	
3	80	
4	70 60	
5		

## Receive equipment from organizers

---

Each team sends a representative to the stage to meet the organizers to receive equipment for that team



## Rule

\_\_\_

- Each group will have 90 minutes to complete 1 topic.
- Products created must meet the requirements of the organizers and based on the equipment provided by the organizer

## Topic 1

\_\_\_

On a farm far from the city, there was a farmer who wanted a device to monitor the temperature and humidity of the farm, the result would be sent to the farmer's phone device. Design your team to help this farmer

## Topic 2

\_\_\_

There is a newly married couple, they are looking to build a house but they have the following conditions for the builder: The couple's house must be a smart home with features such as: opening lights with clap, turn off the appliances in the house via phone. Your team can help this builder build a suitable home for the couple.



## **CHAPTER 4: PROJECT CLOSURE**

#### 1. Lessons learned

#### 1. Lessons Learned

1.1 Did the delivered project meet the specified requirements and goals of the project? Was the customer satisfied with the end product(s)? If not, why not?

The goals of the project were to introduce the IoT industry to the employees, train the work's skill, let the employees familiarize to the work environment and celebrate team building. The director was satisfied with the employees' skills after training.

#### 1.2 Were costs budgets met? If not, why not?

The budgets were over 1.900.000 VND than expected

#### 1.3 Was the schedule/timeline met? If not, why not?

Some the schedule of the project was later than scheduled.

#### 1.4 Were risks identified and mitigated? If not, why not?

The problem of equipment failure has been proposed and the event has encountered some equipment problems, but those problems have been resolved quickly because of the identified risks.

#### 1.5 What bottlenecks or hurdles were experienced that impacted the project?

The devices of the hotel had problems (Internet, light, electric), it took times for repairing. A coach was busy, come later make the schedule become longer.

#### 1.6 What could be done differently on the project?

Organize a Hackathon: all teams use C#, JS, HTML/CSS, C++, Python to code. Present the IoT product to choose which team is the best. Reward for the best team.

Table 5 - Lessons learned (its.sfsu, n.d.)

## 2. Closure Checklist

2. Closure Checklist			
#	Item	Yes/ No	Comments (if any)
1	Completed any outstanding tasks	Yes	
2	Completed any pending deliverables	Yes	
3	Identified and documented all outstanding issues	Yes	
4	Assigned unresolved issues to relevant resources	Yes	
5	Obtained Project Sign-Off	Yes	
6	Paid all invoices	Yes	
7	Held lessons learned meeting with the team	Yes	
8	Communicated project's closure with the stakeholders	Yes	
11	Gathered all project metrics	Yes	
12	Archived information in project repository	Yes	
13	Stored all hard copies in designated areas	Yes	
14	Released project team	Yes	
15	Closed the project formally	Yes	
16	Celebrated success!	Yes	

Table 6 - Closure Checklist. (its.sfsu, n.d.)

## **CONCLUSION**

The event was going on as expected despite some unexpected incidents. But the organizers have also achieved the right goal from the beginning that is to provide knowledge about IoT and knowledge of professional practice for employees.

After this event, Gree Tech employees will work and operate better, the company's productivity will be higher.

## References

its.sfsu. (n.d.). Retrieved from its.sfsu:

https://its.sfsu.edu/sites/default/files/SFSU%20Project%20Close%20Checklist%20Template%20v 0.4.docx

nyu. (n.d.). Retrieved from nyu:

https://www.nyu.edu/content/dam/nyu/hr/documents/Project\_Charter\_Template.doc

teamgantt. (n.d.). Retrieved from teamgantt: https://www.teamgantt.com/free-gantt-chart-excel-template