

Convo On Stage

-- A Graduation Queue System --



Convocation On Stage System

Convo On Stage is a graduation queue system to assist the universities and colleges to arrange the graduates to receive their honors on the Graduation Day



This system is using Ultra High Frequency (UHF) RFID as the basis technology to recognise the identity of the graduates. After scanning each RFID cards, wristband or other equivalent UHF tags, the system will display and speak their names via the screen and PA system. And with no mistake!

This system can be divided into 3 portions, which are **Main Unit**, **Flow Unit** and **Checker**.

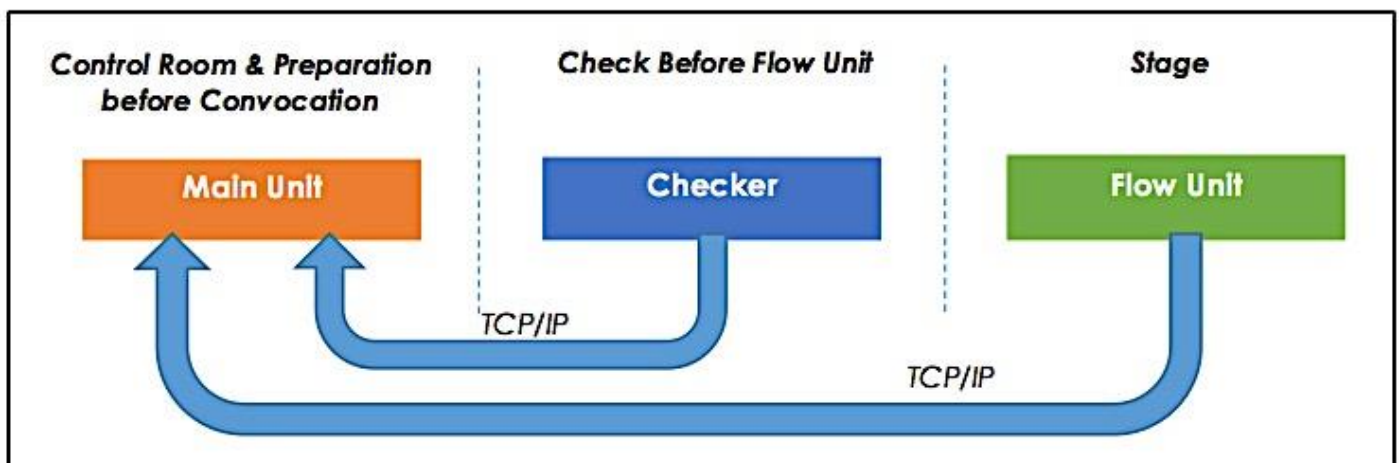
Each unit will be installed at separate computers or laptops.



Simple Functions:

1. Upload graduates name list
2. Record the pronouncement of the graduates' name
3. Assign unique RFID card for each graduate
4. Read and check card
5. Display on screen

Graduation Queue Management



The **Main Unit** is used to input the name and the individual awards (such as Dean List and Chancellor Award) of the graduates, record the pronunciation of the names, pair up the RFID cards with the names, RFID reader's setup and add name manually. This Main Unit will be integrated with the video mixer and the PA system.

The **Checker Unit** is used to check the RFID cards and to handle the card missing matters before the Flow Unit. In this portion, the graduates are able to check their RFID cards' functionality. If the RFID card is missing or damage, the operator can assign and pair up another card for the graduates. Let's make no panics in front of the stage.

The **Flow Unit** is used to receive the RFID cards from the graduates and scan it, before going to the convocation stage. The Flow Unit is connecting to the Main Unit via the TCP/IP protocol. The operator can collect back the RFID cards and recycle it for the next convocation events



Convo Management System

Operative and User Responsive

An operative and error free Convocation Solution Software to provide effective plus efficient solution to Colleges, Universities, Academy and Graduation Institution usage

Convo On Stage

Upload Data | Voice Recording | RFID/Assign Tag | RFID Setup | Add Manually

Bil.	Student No	Student Name	Tag Id	Degree	Progra...	Faculty
1	SEL000015	CHONG HEAN YOON	3000E2...	DEGRE...	SEL	FKE
2	SEC0000123					
3	SEC123456					
4	BG10061271					
5	BG10061272					
6	BG10061273					
7	BG10061290					
8	BG10061291					
9	SEC456789					
10	SET123456					

Record Info

Total Records: 10

Voice Recorded: 0

No Voice Yet: 10

Refresh

Script To Read: DAVID LEE TIAI (H22) IJAZAH S...

Convo On Stage

Upload Data | Voice Recording | RFID/Assign Tag | RFID Setup | Add Manually

Bil.	Student No	Student Name	Tag Id	Degree
1	SEL000015	CHONG HEAN YOON	3000E2004106210200...	DEGREE ELECTRIC & ELEC
2	SEC0000123	MOHD ALI BIN ISMAIL	3000E2005136280700...	DEGREE COMPUTER ENG
3	SEC123456	SABRINA BINTI ISHIKIN	3000E2005136280701...	COMPUTER ENGINEERIN
4	BG10061271	Carrey Shikin Binti Ismail	3000E2005136280701...	Ijazah Sarjana Muda
5	BG10061272	Isabella Wan Mohd	3000E2005136280702...	Ijazah Sarjana Muda
6	BG10061273	David Lee Tiang Kling	3000E2005136280700...	Ijazah Sarjana Muda
7	BG10061290	Sharhaman Bin Ahmad	3400E2010203040506...	Ijazah Sarjana Muda
8	BG10061291	Chak Chee Chuen	3000E2004106210200...	Ijazah Sarjana Muda
9	SEC456789	MOHD FAIZ BIN ALI	3000E2005136280702...	IJAZAH SARJANA MUDA
10	SET123456	MOHD ALI BIN ABU	3000E2005136280700...	ABC

Record Info

Total Records: 10

Tagged Record: 10

Not Tagged Yet: 0

Refresh

Tag Assignment

Data Id: 60

Old Tag Id: 3000E20051362807007119004FB2

RFID EPC Tag: [Empty]

Id To Pair: SEC0000123

Read Mode | Reset Tag | Remove Data

RFID Status: Not Connected | Status: -

Convo On Stage

Upload Data | Voice Recording | RFID/Assign Tag | RFID Setup | Add Manually

Add Student Data Manually

Student Id:

Student Name:

Degree:

Programme:

Degree Class:

Faculty:

Custom 1:

Custom 2:

Custom 3:

Convo On Stage Flow

Live **Re-Tag**

Flow Info

Total Record:

Total Come:

Total Convo:

Text Preview

**DAVID LEE TIANG KIING
(H22) IJAZAH SARJANA MUDA**

Tag Connectivity

Not Connected

Banner Position(y-axis):

Banner Position(x-axis):

Height:

Width:

Logo Position(y-axis):

Text Position(x-axis):

Text Position(y-axis):

Text size:

Font Weight: Normal Bold ExtraBold

Green:

Black:

Announcement (x-axis):

Announcement (y-axis):

Announcement Text Size:

Font Weight: Normal Bold ExtraBold

Black:

Announcement:

Announcement Font Weight: Normal Bold ExtraBold

RGB Background enable user to connect to video mixer for live video streaming on stage

**SABRINA BINTI ISHIKIN
(H20)COMPUTER ENGINEERING
ANUGERAH DEKAN**

TECHNICAL SPECIFICATION



ET PCR800

The **ET PCR800** is a desktop Ultra High Frequency RFID Reader/ Writer compliant to ISO18000-6C EPC Gen 2 protocol with an operating range of 840 to 960 MHz. The compact housing design makes it ideal for installing in environments with space constraints.

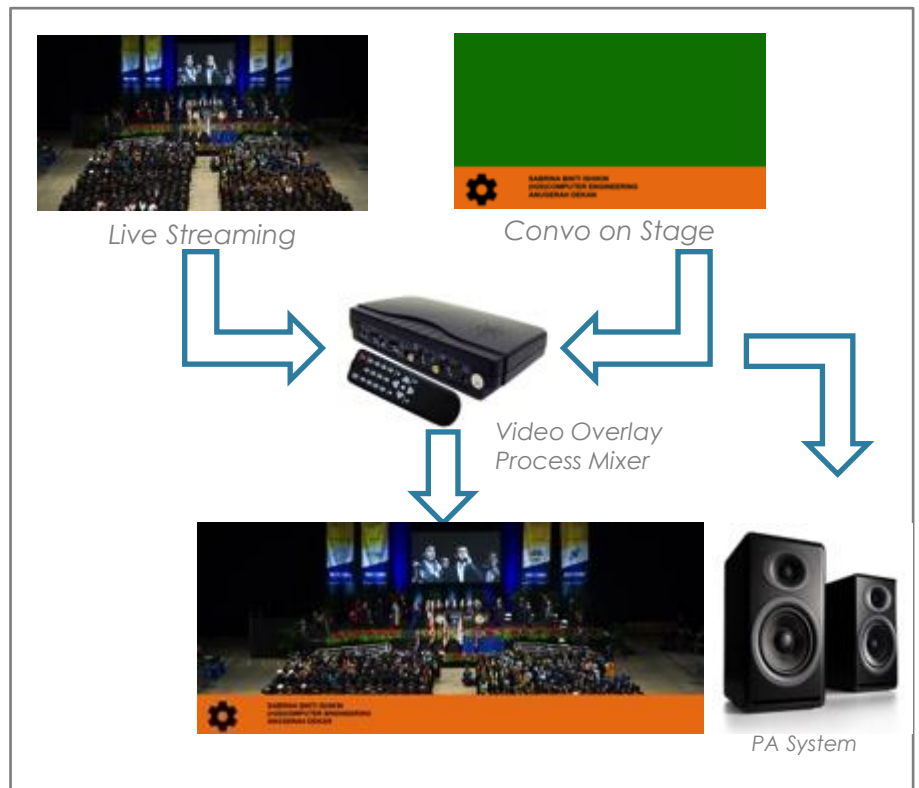
Technical Specification: -

- i. Supports ISO18000-6C, EPC Class 1 Gen 2
- ii. Available with slot or flat reading surfaces
- iii. Features LED and Beep sound indications
- iv. Frequency range: 840- 960MHz
- v. Twin communication interfaces: RS232 or USB

Available versions

- i. PCR800R-00 902 -928 MHz, RS232
- ii. PCR800R-30 865-869 MHz, RS232
- iii. PCR800U-00 902-928 MHz ,USB (Virtual COM)
- iv. PCR800U-30 865-869 MHz , USB (Virtual COM)
- v. PCR800HK-00 902-928 MHz, USB (K/B emulation & HID mode)
- vi. PCR800HK-30 865-869 MHz, USB (K/B emulation & HID mode)

SYSTEM STRUCTURE



The Convo On Stage System Package is inclusive of: -

1. Convo On Stage System Installer (Supported MS Windows 7 and MS Windows 10)
2. UHF RFID Reader PCR800U-00 902-928 MHz ,USB (Virtual COM)* x 2 units
3. UHF RFID Card** x 30 pcs

* Client can order different types of reader according to their country communication rules and regulations.

** With default is using UHF RFID Card, client can choose other UHF RFID tags such as wristband or button. Please ask for assistance via support@edgetech.com.my.

Others accessories: - **UHF RFID Wristband**

