COMPUTER GRAPHICS & MULTIMEDIA ASSOCIATION (CGMA)

COMPUTER GRAPHICS AND MULTIMEDIA ASSOCIATION

DR. AJUNEWANIS ISMAIL

ajune@utm.my

Mixed

Augmented

Virtual Environment

Visualization

Simulation

Modeling

Game

Academic Program

UG Programs

- BCS (Software Engineering)
- BCS (Comp Networks & Security)
- BCS (Graphics & Multimedia)
- BCS (Bioinformatics)
- BCS (Data Engineering)

Program Academic

PG Programs

- MSc (Software Engineering)
- MSc (Computer Science)
- PhD (Computer Science)
- PhD (Information Systems)
- MSc (IT Management)
- MCS (Information Security)
- MCS (Information Security)

Research Stream

Professional Stream

Entrepreneurship Stream

SCSV COURSES

1 SCSV	**2 SCSV**	
3 SCSV	**4 SCSV**	

- **PROGRMMING TECHNIQUE 1**
- **PROGRAMMING TECHNIQUE 2**

- MATHEMATIC FOR COMPUTER GRAPHICS
- FUNDAMENTAL FOR COMPUTER GRAPHICS
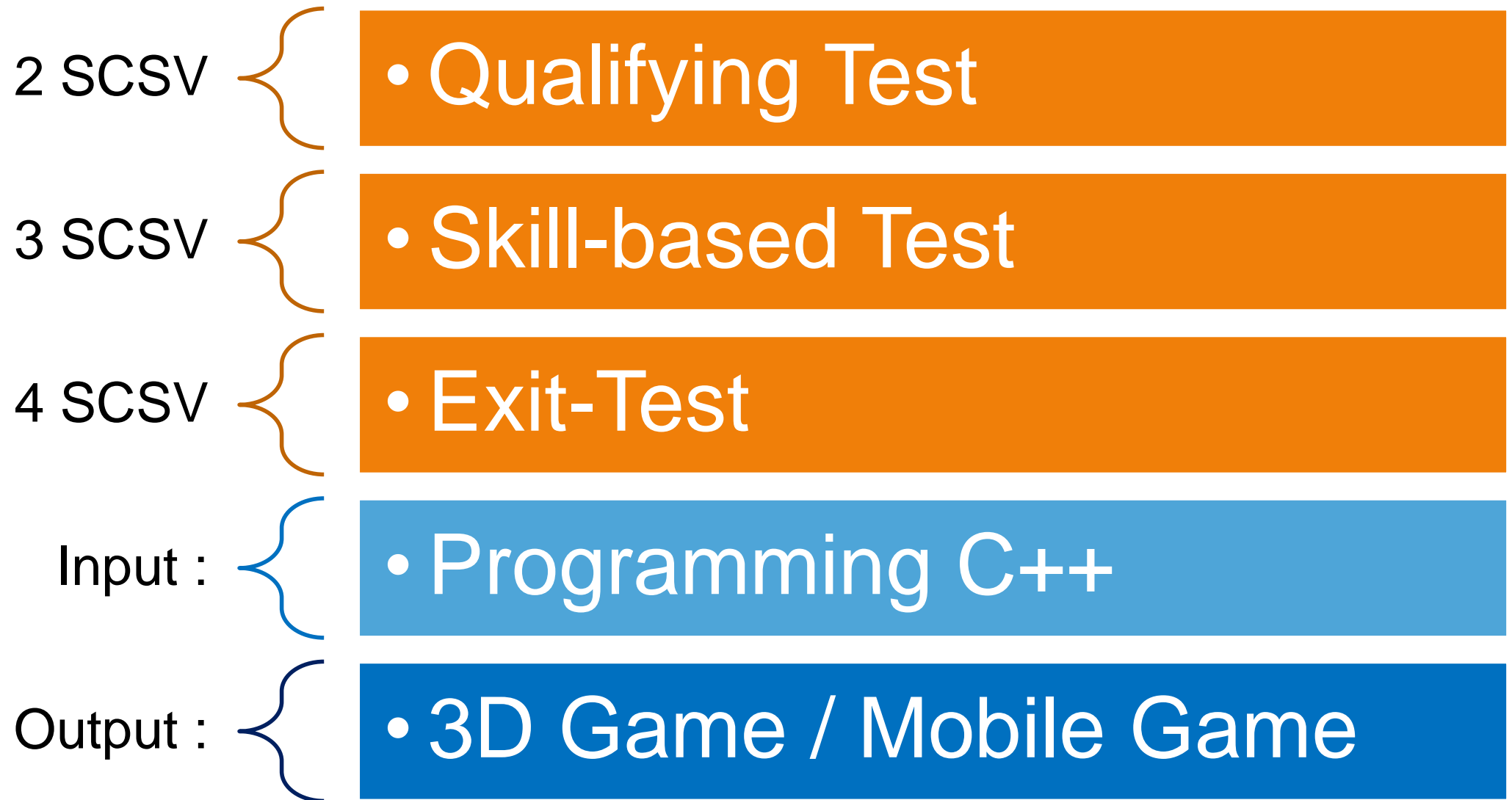- WEB PROGRAMMING
- HUMAN COMPUTER INTERACTION

- GEOMETRIC MODELING
- REAL-TIME COMP. GRAPHICS
- APPLICATION DEVELOPMENT
- MULTIMEDIA NETWORKING
- **PSM 1**

- IMAGE / SPEECH PROCESSING
- DATA VISUALIZATION
- ADVANCED COMP. GRAPHICS
- GAME DEVELOPMENT
- **PSM 2**

PROGRAMMING EXPERT

2 SCSV
- Qualifying Test

3 SCSV
- Skill-based Test

4 SCSV
- Exit-Test

Input :
- Programming C++

Output :
- 3D Game / Mobile Game

PROGRAMMING EXPERT – DEGREE++

Phase 1
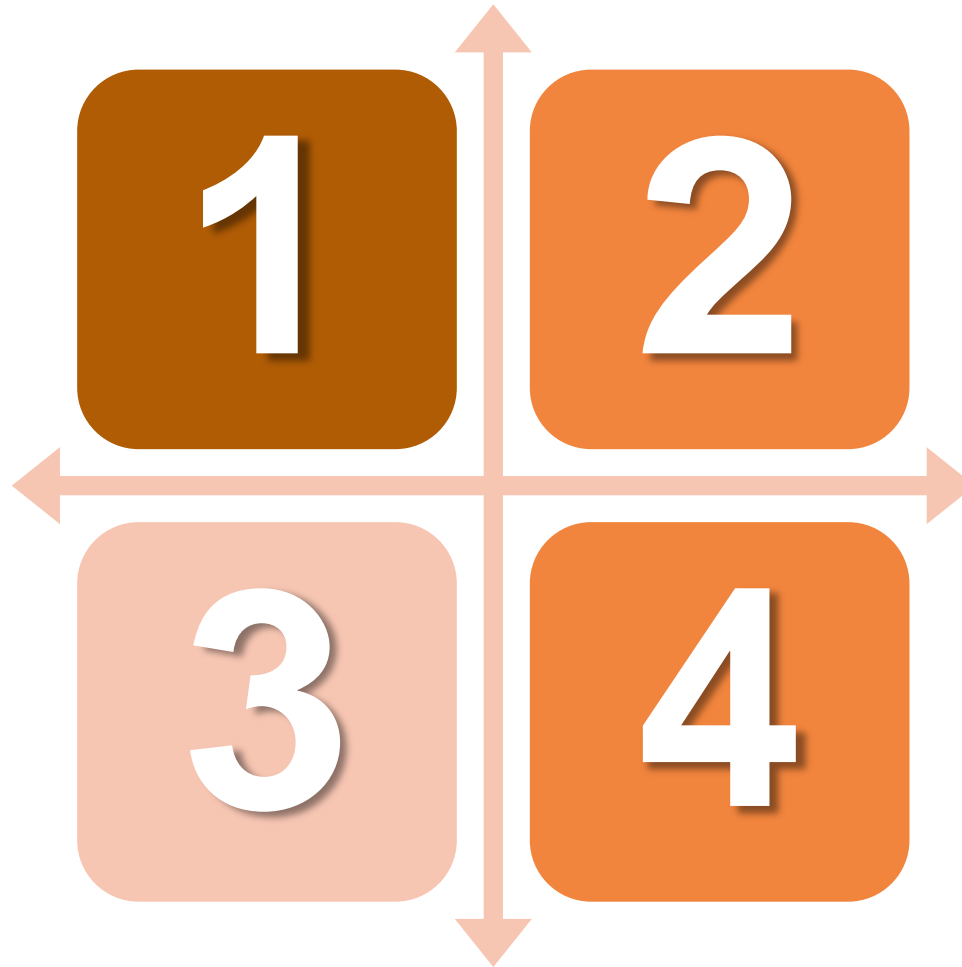Augmented Reality / Mixed Reality Tools and Software
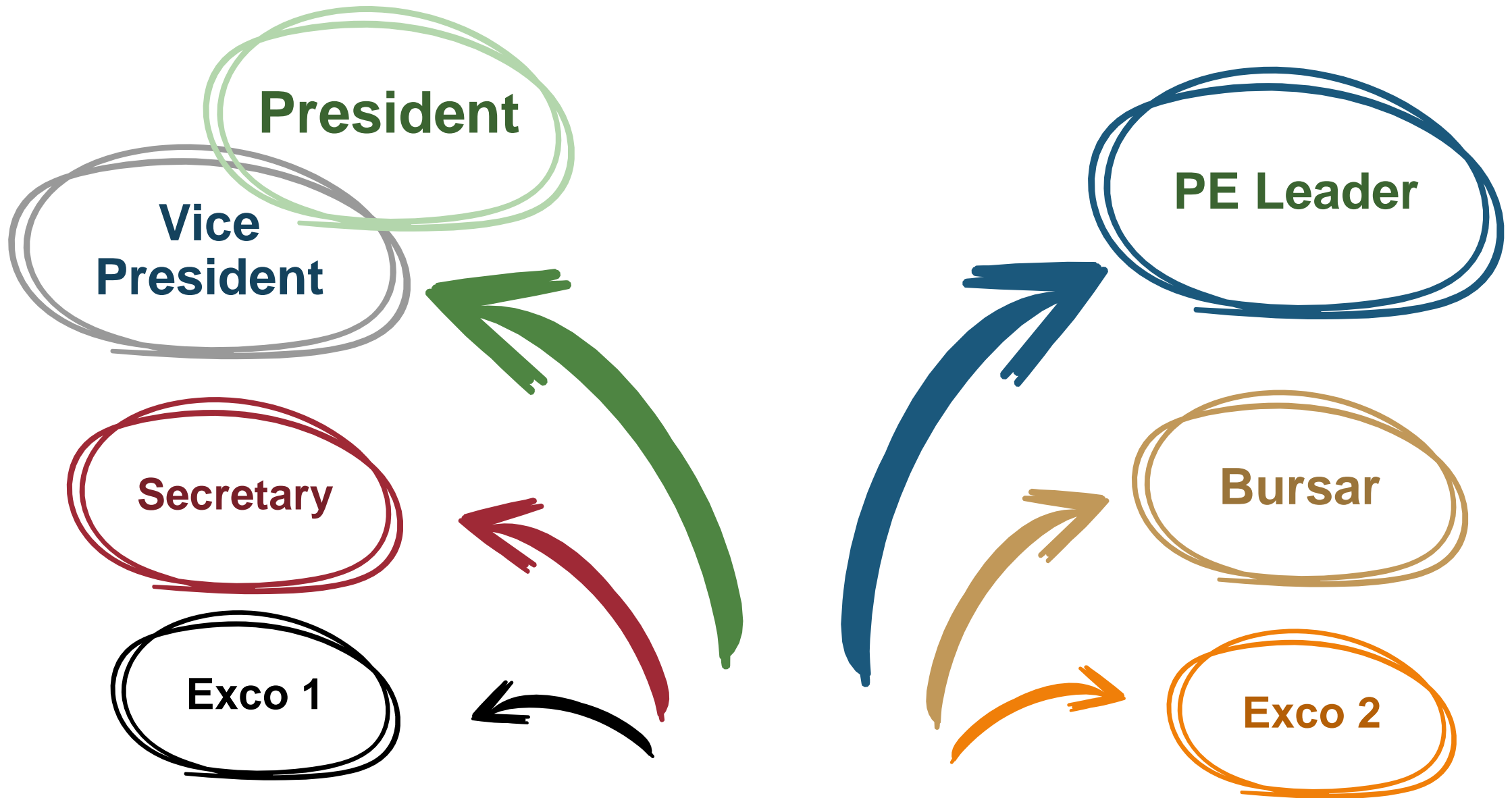
Phase 2
Autodesk Maya / 3D Max - Modeling software

Phase 3
Game Engine / Application SDK - Unity3D / Unreal SDK

Phase 4
Industry 4.0 & Internet of things – Game SDK / Arduino IOT / Rasbery Pie

1 2 3 4

President

Vice President

Secretary

Exco 1

PE Leader

Bursar

Exco 2

COMMITTEE MEMBERS

SECRETARY
Nurfarrah Liana

PRESIDENT
Mohamad Aqeel Safwan

TREASURER
Nurul Shafiqah

computer graphics multimedia association

MAJLIS TERTINGGI SESI 2014/15

VICE PRESIDENT
Najihah

FIRST YEAR EXCO 1
Muhammad Azhar

FIRST YEAR EXCO 2
Muhamad Shukri

PE LEADER
Naadiyah

SECRETARY
IZZAH

PRESIDENT
AZHAR

TREASURER
NUR SHAHIRAH

2015 / 2016

VICE PRESIDENT
ASYRAF

1ST YEAR EXCO 1
AMEER

1ST YEAR EXCO 2
ADANI

PE LEADER
SHUKRI

MAJLIS TERTINGGI SESI 2016/17

PRESIDEN

AMEER SAFUAN BIN MUHAMAD KAHIRI
960107-23-5159
AMEER_ALIEN@YAHOO.COM

TIMBALAN PRESIDEN

AR-RABBANI AMANULLAH BIN MOHD NAZARI
951130-06-5317
ARAMONAGRAPHY@GMAIL.COM

SETIAUSAHA AGUNG

FAZLIATY EDORA BT FADZLI
960608-14-5100
FAZLIATY.EDORA@GMAIL.COM

BENDAHARI KEHORMAT

NUR SHAHIDATUL ADANI BT SHAHRULNIZAM
960710-03-5872
NURSHAHIDATULADANI@GMAIL.COM

P.E. LEADER

LOW TIAN SHENG
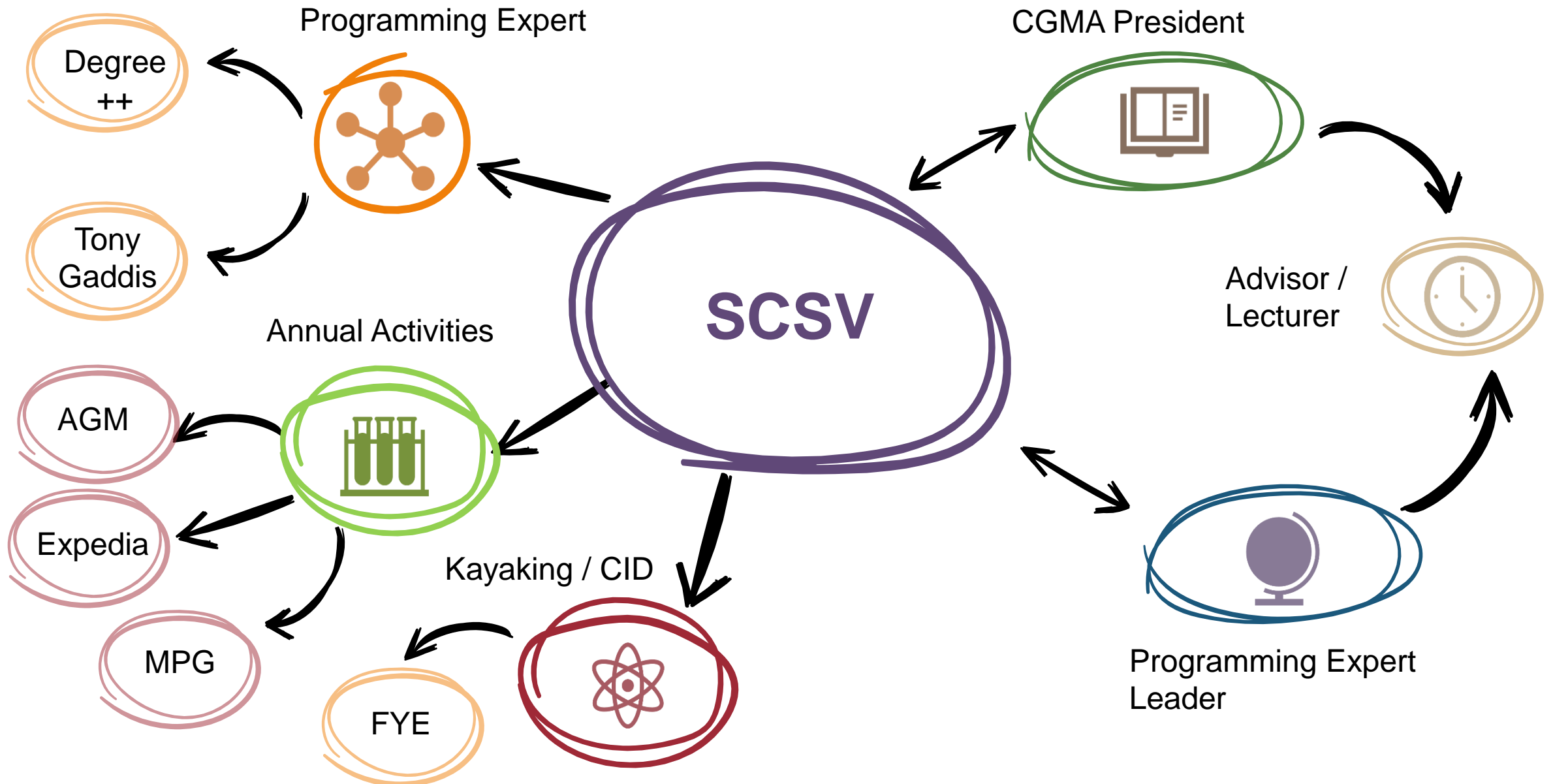951103-01-7379
POLLERBOOM@GMAIL.COM

EXCO KHAS#1

AFNAN SYAHRIN BIN ABDULLAH
970906-03-5507
SYAHRINAFNAN@GMAIL.COM

EXCO KHAS#2

MUHAMMAD ALIF BIN KHAIRUL NIZAM
971113-05-5203
ALIFNIZAM1997@GMAIL.COM

CGMA ACTIVITIES & PROGRAM

Degree ++

Programming Expert

CGMA President

Tony Gaddis

Annual Activities

AGM

Advisor / Lecturer

SCSV

Expedia

Kayaking / CID

MPG

FYE

Programming Expert Leader

PROGRAMS OF THE SEMESTER
2016/2017(2)

COMPUTER GRAPHICS AND MULTIMEDIA ASSOCIATION

CGMA 48 HOURS C++ COMPETITION
(MOBILE APP HACKATHON)

1 - 2 APRIL 2017

Mobile App Hackathon is a competition focused on their innovative thinking in developing mobile application designed to inspire a creative and dynamic generation of tech professionals to put their skills to the limit within less than 48 hours.

CGMA UNDERGRADUATE PROJECT GUIDE

1 - 5 APRIL 2017

Undergraduate Project Guide is focused on producing a quality and competent bachelor project specifically for 4th year students and help stimulate the potential of students to produce profession thesis so that it can be a reference to anyone who is interested.

EXPERIENTIAL DEVELOPMENT PROGRAM '17
(EXPEDEA '17)

6 MAY 2017

Expedea is like a family day where lecturers and students get a chance to celebrate the meaning of being a family especially for the juniors get to know the seniors and to spend quality time together by participating in fun activities together.

SCSV 10TH YEARS CELEBRATION

6 MAY 2017

SCSV 10th Years Celebration is a celebration on SCSV course that has been 10th years in Faculty of Computing with its programs remain unchanged since 2007 untill now. There are cake ceremony and performances by every batch in the CGMA Got Talent show.

CGMA DEGREE++ AUGMENTED REALITY

13 MAY 2017

Degree++ Augmented Reality is a workshop to introduce and expose participants to Augmented Reality's theoretical and practical practice using ARToolkit and Visual Studio 10.0 software.

MALAM PRA-GRADUAN CGMA '17

20 MAY 2017

Malam Pra-Graduan CGMA '17 is a dinner to celebrate 4th year student on their last semester before they graduate from UTM and SCSV course. Juniors will entertain the seniors with lots of performance and awards for their achievements.

Our lecturers

Prof. Dr. Shahrizal

Professor

- Real-time Computer Graphics
- Game Development
- Application Development

Prof. Dr. Shafry

Professor

- Image Processing
- Data Visualization
- Application Development

Assoc. Prof. Azman

Assoc. Prof.

- HCI
- Web Programming
- Web Technology

Our lecturers

Dr. Farhan
Senior Lecturer

- HCI
- Data Visualization

Dr. Ajune
Senior Lecturer

- Real-time Computer Graphics
- Game Development
- Application Development
- PSM 1

Dr. Md Sah
Senior Lecturer

- Speech Processing
- Image Processing
- Data Visualization

Dr. Nor Haida
Senior Lecturer

- Geometry Modeling
- Advanced Computer Graphics
- Fundamental Computer Graphics

Our lecturers

Encik Cik Suhaimi

Lecturer

- Geometry Modeling,
- Advanced Computer Graphics
- Programming Technique 1
- HCI

Cik Anita Fairos

Lecturer

- HCI
- Web Programming
- Statistic

Dr. Jumail

Lecturer

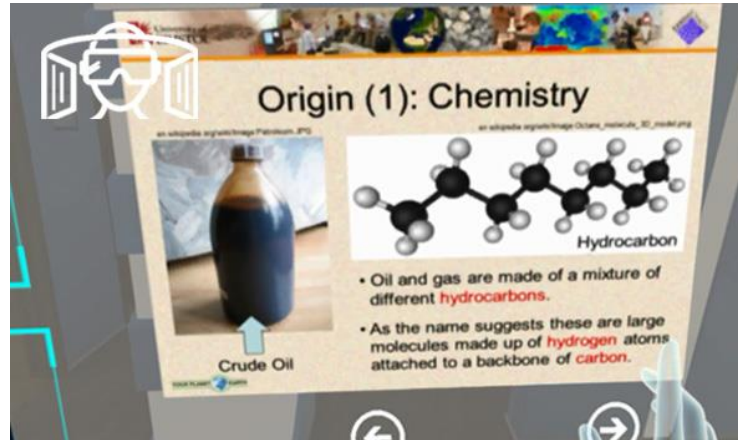- Programming Technique 1
- Programming Technique 2
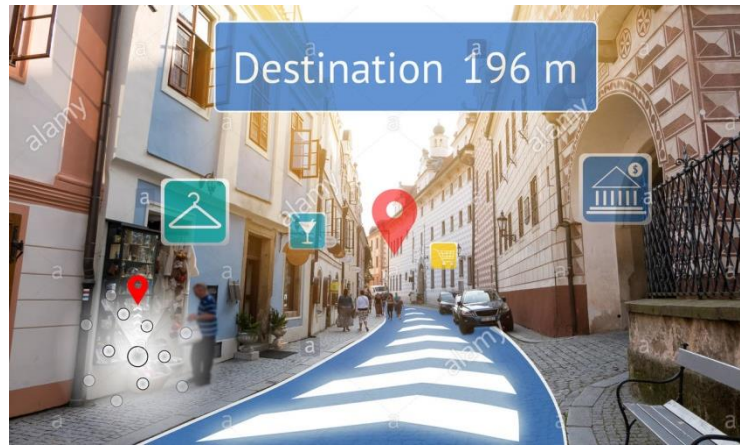- SCSV Coordinator

Dr. Zuraifah

Lecturer
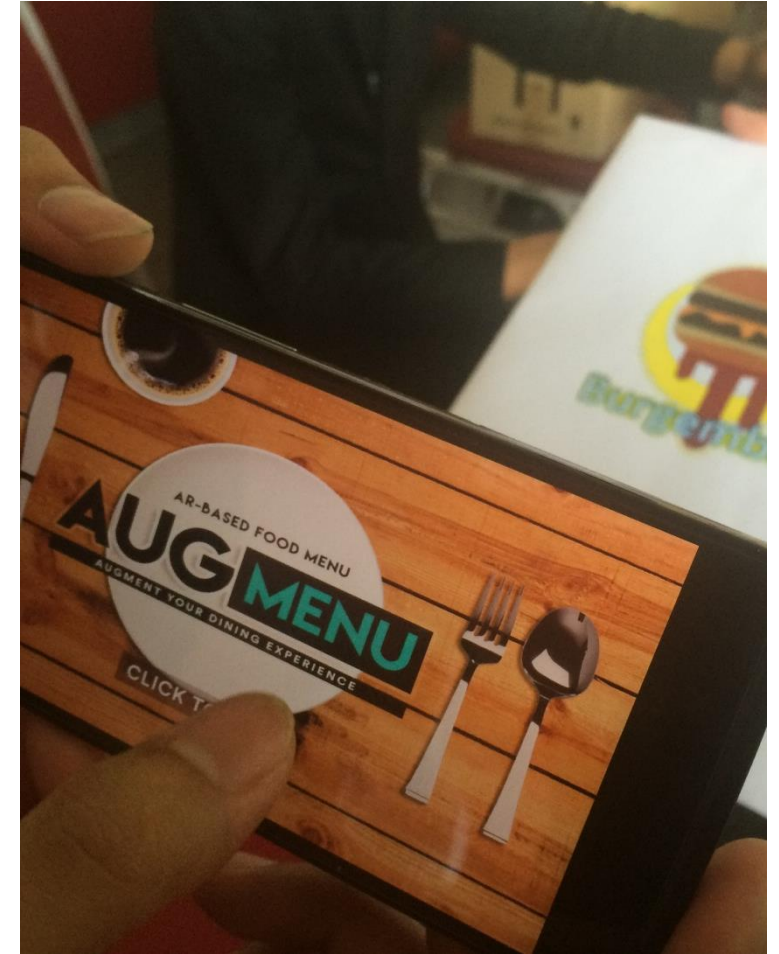
- HCI
- Web Programming
- Statistic

SCSV Projects

SCSV Projects

Computer Vision &
Image Processing

Destination 196 m

SCSV Mobile Apps Projects

Recent PSM Projects

AR Coloring Book
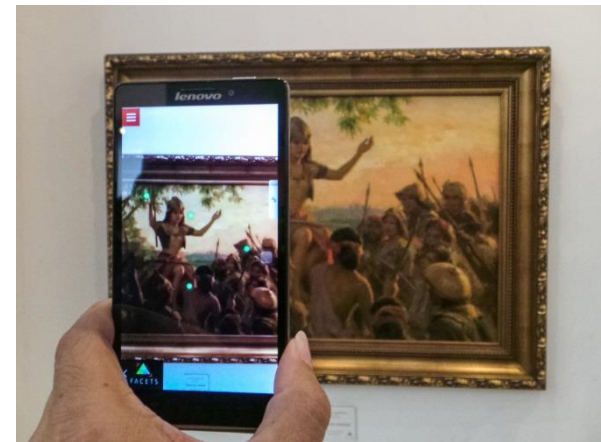
AR Jenga Game
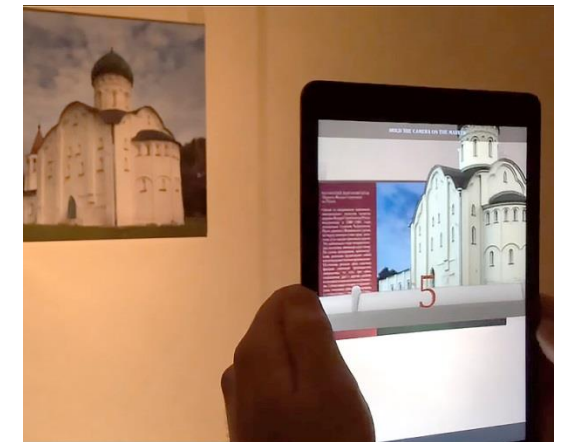
AR Deco IKEA

AR Pop-up Book

AR Model Editor

Cultural Heritage

AR Live Picture

AR Museum

Recent commercial products

Ameen Daily Prayer

iZikir

Didi & Friends Playtown

Mosti Interactive Wall

Boboiboy Bounce & Blast

wARna

Boboiboy Versus

InSTEP

COE – Centre of Excellence & RG

COE

MaGICX

COE

Established in 2013, Media and Game Innovation of Excellence (MaGICX) is a strategic cooperation between Universiti Teknologi Malaysia (UTM) and Iskandar Regional Development Authority (IRDA) to support and promote the development and ecosystem of creative industry that focuses on gamification and enrichment of digital content.

RG

2

Vicubelab is cross-disciplinary Research Group in computing with primary focus and research activities revolves on the design, implementation and application of computer graphics, human computer interaction, vision, simulation and immerse visualisation theories

3

mivieLab
Mixed & Virtual Environment Laboratory

CREATING PIONEERS & NURTURING TALENTS

VISIT OUR WEBSITE

www.magicx.my/cgma

WELCOME TO THE FAMILY

Instagram – UTMCGMA

Facebook - CGMA