

# Institute for Advanced Studies (IAS)

.... I am the Professor & Laureate of tomorrow

# WELCOME

# New Postgraduate Students

*Best wishes*



INSTITUT PENGAJIAN TERMAJU  
*Institute for Advanced Studies*



A member of



[ias.um.edu.my](http://ias.um.edu.my)



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# INTRODUCTION

## Institute for Advanced Studies (IAS)

**Professor Dr. Ramesh T. Subramaniam**  
**Dean**

*Home of the Bright, Land of the Brave*  
*Di Sini Bermulanya Pintar, Tanah Tumpahnya Berani*

[www.um.edu.my](http://www.um.edu.my)



<https://ias.um.edu.my>

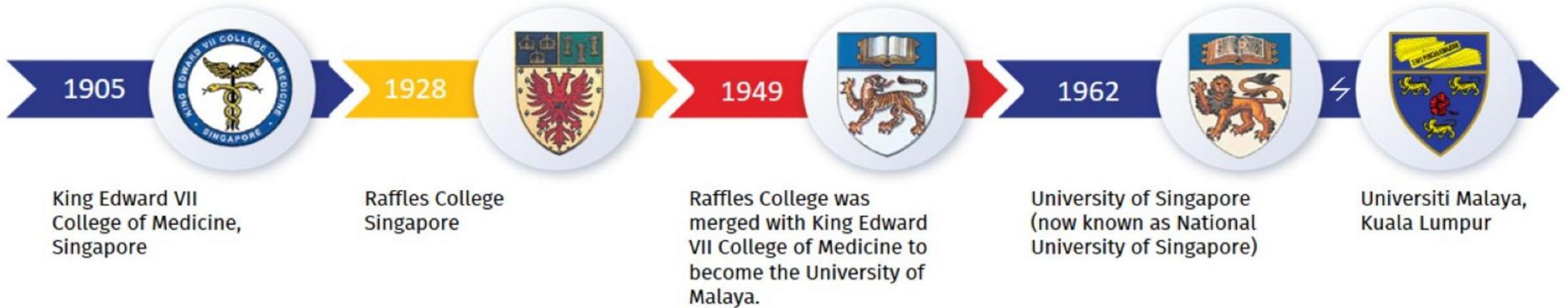


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UNIVERSITI  
MALAYA

# UM History



The King Edward VII College of Medicine was founded in 1905 to train the first Malaysian (Malayan) doctors. The College later became known as the University of Malaya in Singapore.



The Universiti Malaya, **Kuala Lumpur campus** was established in **1959**. The **University Hospital** was opened in **1968**.

# IAS in Brief | The Evolution

1979

**Institut Pengajian Tinggi**  
**Institute of Advanced Studies**

Note: IAS was established by the Royal Prof. Ungku Aziz  
3rd UM Vice-Chancellor (1968 to 1988)

1997 - 2000

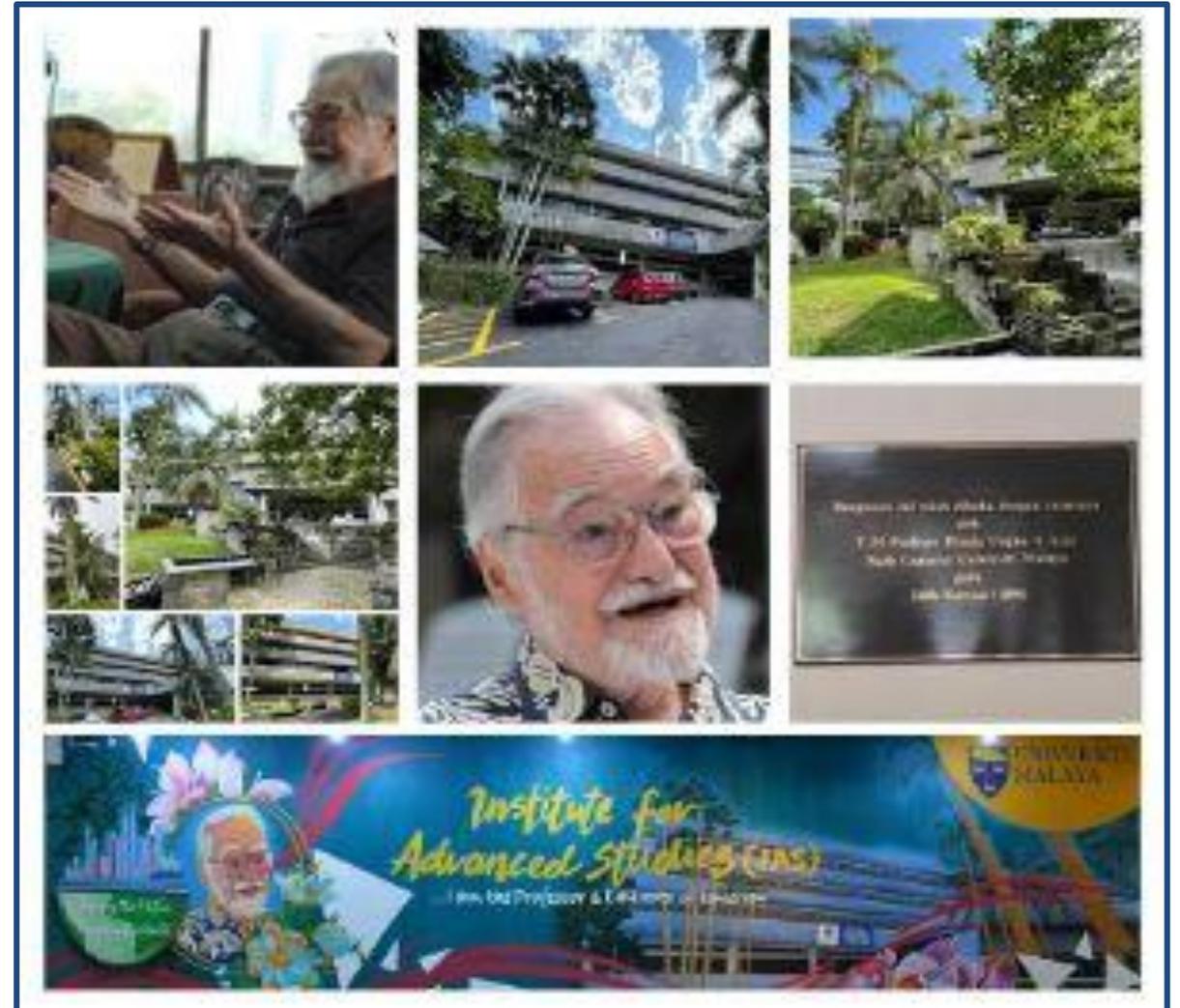
**Institut Pengajian Siswazah & Penyelidikan**  
**Institute of Graduate Studies & Research**

2008

**Institut Pengajian Siswazah**  
**Institute of Graduate Studies**

2018 to date

**Institut Pengajian Termaju**  
**Institute for Advanced Studies**





- Institute for Advanced Studies (IAS) **is the central platform for multidisciplinary academic and research programmes** at Universiti Malaya.



- Promotes research aligned with the university's strategic guiding themes and supporting multidisciplinary research ideas.
- Provides opportunity to pursue stackable credentials to complete an interdisciplinary Masters degree programme.



- Dedicated to the advancement of early career researchers (the Professors and Laureate of tomorrow) and the creation of opportunities, networking and collaborations.
- Attracts national emeriti and international visiting scholars to UM and integrates them into the University's academic community.

# Our Purpose

# IAS Main Functions

 **01**

To develop, offer and manage academic programs that are multidisciplinary / interdisciplinary in collaboration with other Academic RC and Higher Institution Centre of Excellence (HICoE) and UM Center of Excellence (UMCoE)

 **02**

To develop and manage new academic programs for staff empowerment and research capacity development programs which lead to certification especially for the Early Career Researchers.

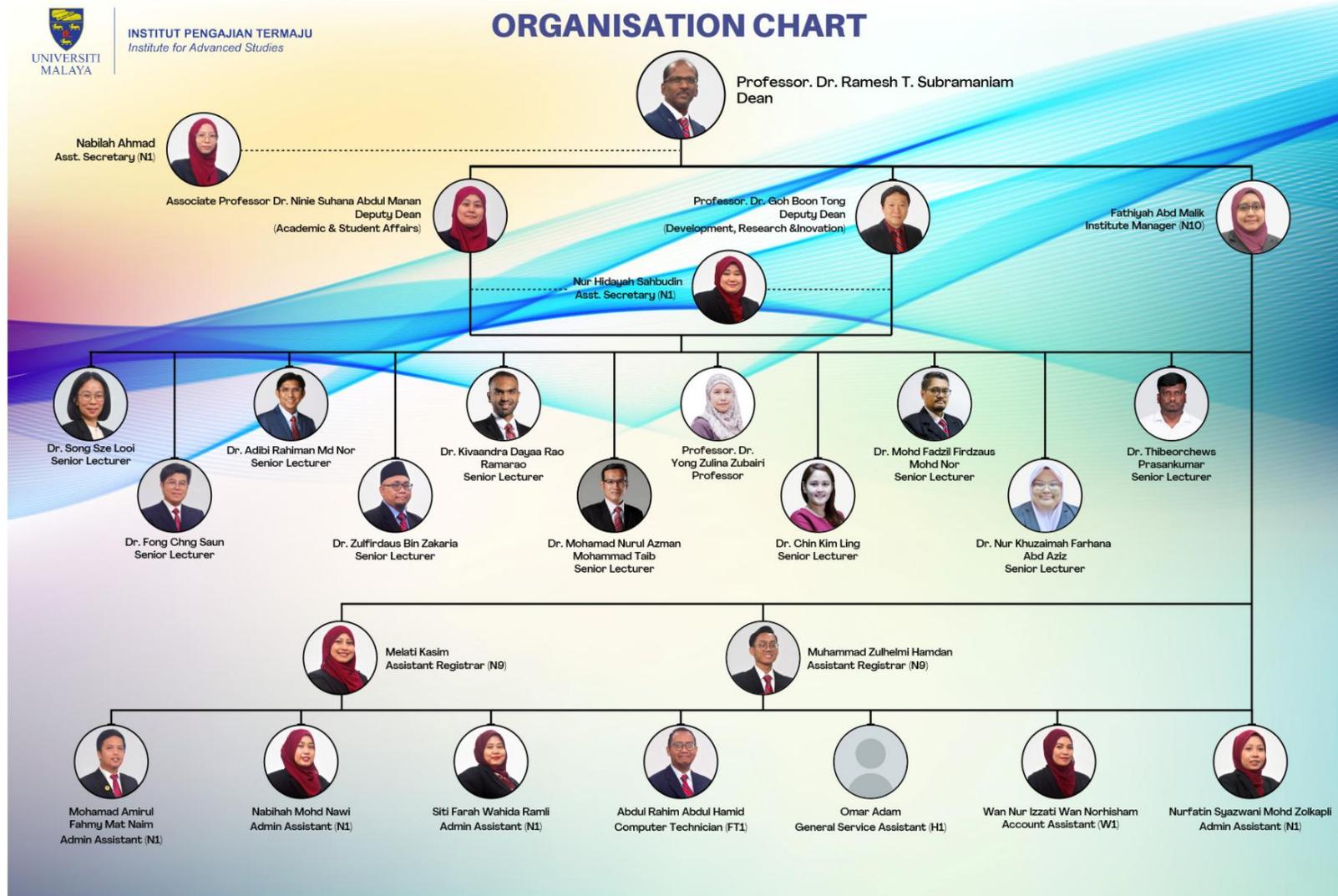
 **03**

Coordinator for academic programs in Degree Stacking and General Studies.

 **04**

To forge international collaboration through multidisciplinary / interdisciplinary collaborative programs, especially through dual PhD programs.

# IAS Organisation Chart



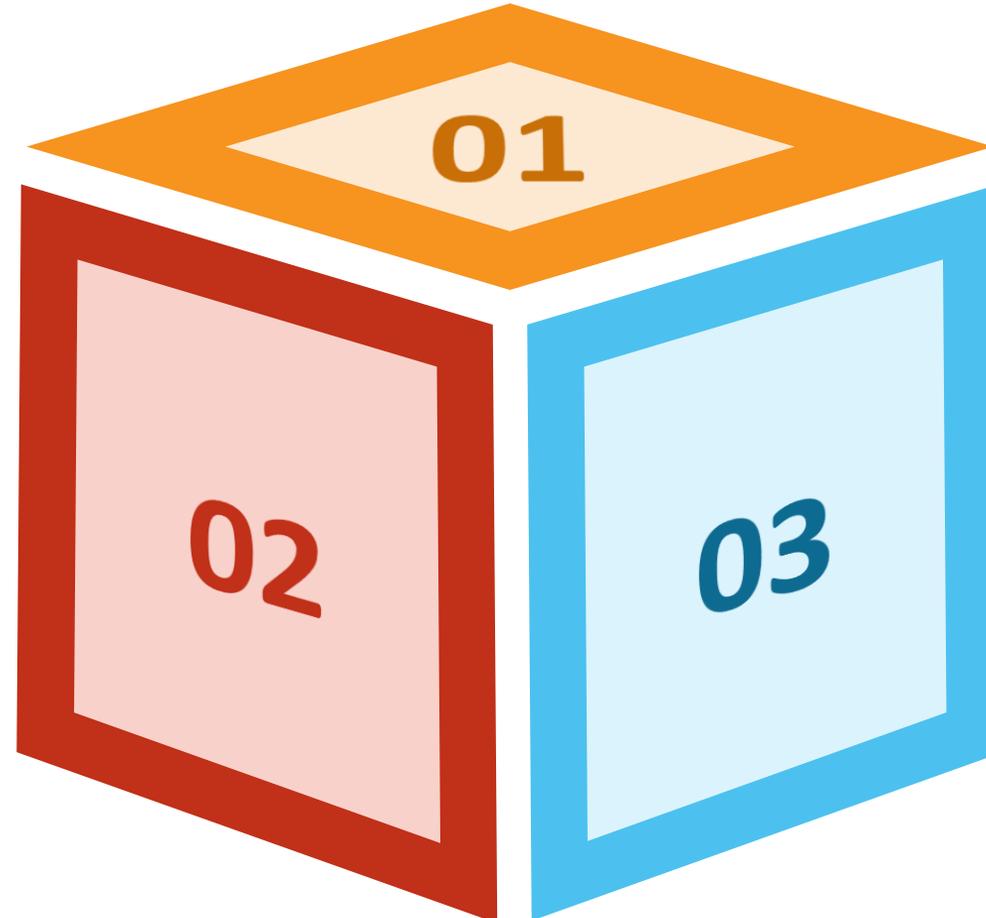
# Definition of Multidisciplinary in IAS Academic/Research Programmes

1

Multidisciplinary (cross-disciplinary) research is required when a field of study, a topic or a problem of research crosses the borders of disciplines (and faculties), as traditionally subjects indicate independent bodies of knowledge.

2

It is also a research approach in which the tools of different sciences (i.e. systematic organization of knowledge) and disciplines are utilised to explain the issue under study, as a means to bridge gaps in problem-solving that result from disciplinary specialisation.



3

The interdisciplinary/ multidisciplinary areas drawn from IAS research programmes are as follows:

- Biodiversity and conservation
- Biosafety and biosecurity
- Nanoscience and nanotechnology
- Natural resource management
- Ocean and earth sciences
- Photonics sciences
- Renewable and sustainable energy
- Arts & Humanities
- Social Sciences
- Sciences
- Interdisciplinary

# Our Partners [Master | MPhil | PhD]

19

Academic PTjs

5

Higher Institution  
Centre of Excellence  
(HICoE)

- UM Power Energy Dedicated Advanced Centre (UMPEDAC)
- Photonic Research Centre (PRC)
- Institute of Ocean and Earth Sciences (IOES)
- Tropical Infectious Diseases Research & Education Centre (TIDREC)
- Nanotechnology & Catalysis Research Centre (NANOCAT)

1

UM Center of  
Excellence (UMCoE)

- Centre for Research in Biotechnology for Agriculture (CEBAR)



INSTITUT PENGAJIAN TERMAJU  
Institute for Advanced Studies



Swinburne University of  
Technology  
(Dual PhD Programme)



Kyoto University  
(Dual Master  
Programme)



Master of  
Philosophy

# ACADEMIA - INDUSTRY COLLABORATION



PHOTONIC RESEARCH CENTRE (PRC) TEAM



INSTITUT PENGAJIAN TERMAJU  
Institute for Advanced Studies



II-VI AND COHERENT ARE NOW ONE  
COMPANY, COHERENT.

PROGRAM: MASTER OF PHILOSOPHY

DURATION: MIN 2 SEM | MAX 3 SEM

INTAKE: SEM 1 2022/2023

NO OF CANDIDATES: 35

NO. OF UM SUPERVISORS: 16

RESEARCH AREAS:

Process Engineering | Product Engineering |

Project Management | Quality Assurance |

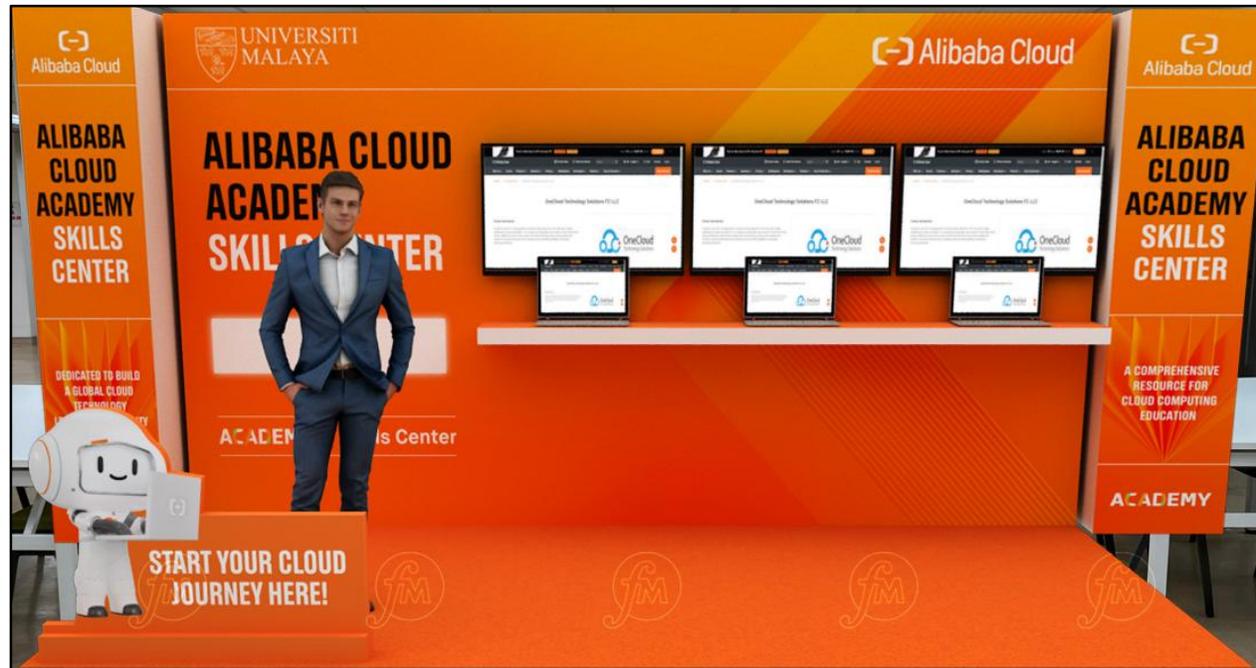
Software Engineering | Technology |

Test Engineering

# ACADEMIA - INDUSTRY COLLABORATION



## Skill Centre (Level 3, Main Library UM)



## Internship Program



UNIVERSITI MALAYA Alibaba Cloud

Shine as a **FUTURE STAR**  
with Alibaba Cloud's Global Business

➔ Internship Program

**OPEN POSITION**

- Business Development Executive (BDE)
- Technical Assistant Manager (TAM)
- Solutions Architect (SA)
- Customer Success Manager (CSM)
- Telesales

**WHAT WE OFFER**

- 1 month off job training
- Long-term commitment
- 1-1 mentor and practice
- Competitive compensation & opportunities for professional growth

Be the Rising Star of **TOMORROW'S DIGITAL LANDSCAPE** with Alibaba Cloud!

**READY TO IGNITE YOUR CAREER?**  
Please submit your application and your resume to email address:  
[csx01897646@alibaba-inc.com](mailto:csx01897646@alibaba-inc.com)

QR CODE Scan the QR code for more detailed information of applied positions.

We are scouting for ambitious, globally-minded interns who can bring fresh perspectives and innovative thinking to our rapidly expanding international operations.

# Current Academic Program (721) active students)

01

## Full Research Program

Master of Philosophy (162)

Doctor of Philosophy (470)

02

## Coursework Program

Master of Renewable Energy (72)

Master of Agriculture Biosecurity (3)

Master of Advanced Studies (7)



Higher Institution  
Centre of Excellence (HICoE)



Centre for Research in  
Biotechnology for  
Agriculture

Universiti Malaya  
Centre of Excellence (UMCoE)

03

## Mixed Mode

Master of Applied Sciences (Nanotechnology)

(7)



Universiti Malaya  
Centre of Excellence (HICoE)

# Potential Academic Program (in progress)

01

**Coursework**  
Master of Industry

02

**Coursework**

Master of Ocean & Earth Sciences



# IAS FACILITIES



**AUDITORIUM  
LEVEL 4, BLOCK D  
Max Capacity : 30 pax**



**SEMINAR ROOM  
LEVEL 1, BLOCK C  
Max Capacity : 120 pax**



**RESEARCH NEST  
LEVEL 1, BLOCK D  
Max Capacity : 100 pax**



**AKAR  
LEVEL 3, BLOCK C  
Max Capacity : 80 pax**

# IAS FACILITIES



**AKASIA ROOM**  
**LEVEL 1, BLOCK B**  
**Max Capacity : 120 pax**



**JASMINE ROOM**  
**LEVEL 4, BLOCK D**  
**Max Capacity : 30 pax**



**CUBE 1**  
**LEVEL 4, BLOCK D**  
**Max Capacity : 50 pax**

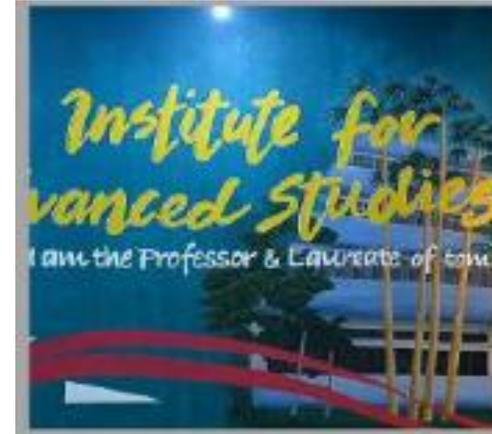


**CUBE 2**  
**LEVEL 2, BLOCK D**  
**Max Capacity : 50 pax**

# IAS FACILITIES



**COMPUTER LAB  
LEVEL 2, BLOCK D  
Max Capacity : 25 pax**



**THE MURAL @ IAS  
LEVEL 1, BLOCK B  
Max Capacity : 100 pax**



**ANGGERIK  
MEETING ROOM  
LEVEL 3, BLOCK D  
Max Capacity : 50 pax**



**AZALEA  
MEETING ROOM  
LEVEL 3, BLOCK D  
Max Capacity : 20 pax**

# AKAR (co-working space) @ IAS



**ONLINE BOOKING**  
<http://tinyurl.com/IASakar>



**24/7**  
OPERATION

**AKAR**  
CO WORKING SPACE

Block C, Level 3,  
Advanced Studies Complex,  
Universiti Malaya

Open To All UM  
Active Students

Rental Fees  
@ RM30/ per month

Admin Fees @ RM20

Conductive Study  
Environment

Connected  
To UM Wifi

**MORE INFO**  
03 7967 4440/ 4600  
<https://ias.um.edu.my>  
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## More information:

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