

WEBINAR JABATAN I

JABATAN INFOSTRUKTUR

UNIVERSITY DIGITAL TRANSFORMATION

Ts. DR HAJAH KAMALIYAH BT SARJO @ HJ AHMAD

JABATAN INFOSTRUKTUR, PPII, UITM SHAH ALAM 18 NOVEMBER 2020







CONTENT





- 1. AN OVERVIEW
- 2. THE DRIVE TO CHANGE
- 3. MAKING THE RIGHT MOVE
- 4. UITM DIGITAL CAMPUS
- 5. CONCLUSION



1. AN OVERVIEW











THE LANDSCAPE OF THE DIGITAL WORLD TODAY





28.7 million internet users in Malaysia (Internet Users Survey 2018, MCM)



4.5 billion internet users in the World

6 Billion internet users in 2022 and 7.5
Billion internet users in 2030
References: Cybersecurity Ventures



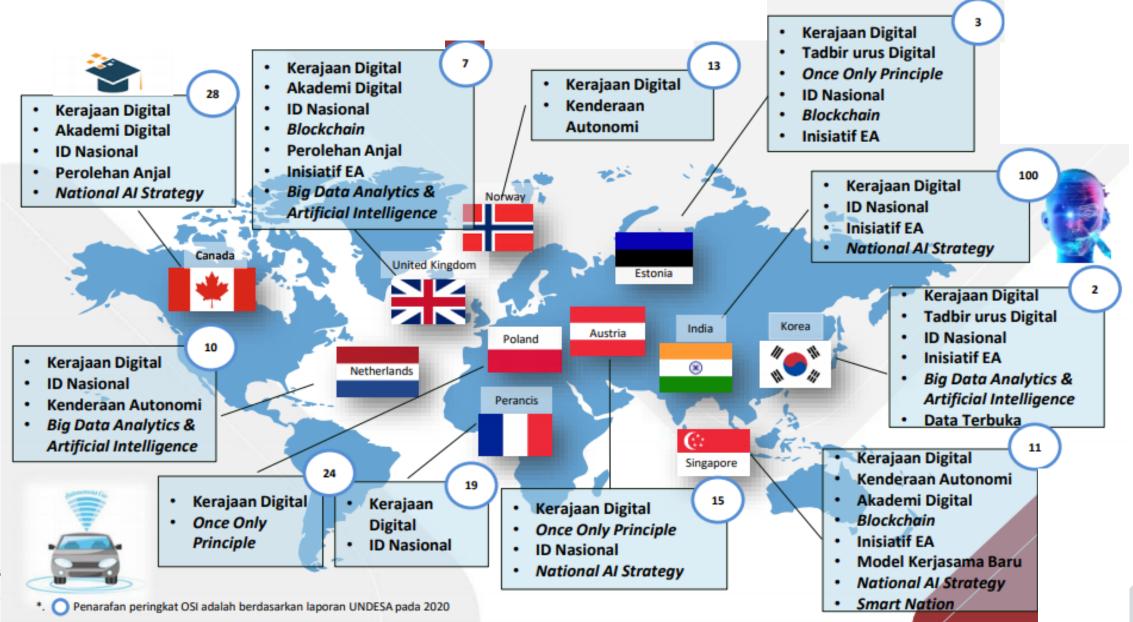
THE WORLD IS GETTING CONNECTED



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GLOBAL DIGITILIZATION BENCHMARK

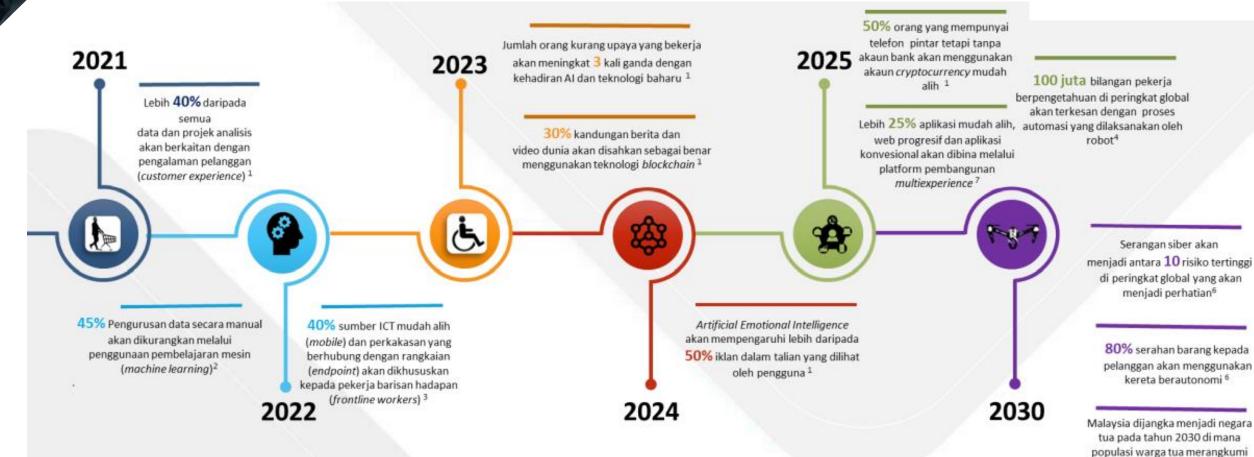




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GLOBAL DIGITALIZATION TECHNOLOGY DIRECTION





Sumber:

- ¹ Gartner (2019) | https://www.gartner.com/smarterwithgartner/gartner-top-strategic-predictions-for-2020-and-beyond/
- ² Gartner IT Symposium (2019)| Xpo 03 –07 November 2019 Barcelona, Spain |Top 10 Data and Analytics Technology Trends That Will Change Your Business
- ³ Gartner IT Symposium (2019)| Xpo 03 –07 November 2019 Barcelona, Spain | The Future of Frontline Workers
- 4KPMG (2020) | https://home.kpmg/my/en/home/services/advisory/management-consulting/it-enabled-transformation/rpa1.html
- Malaysia's Ageing Population Trends (2016) https://www.researchgate.net/publication/305727022 Malaysia's Ageing Population Trends
- ⁶Frost & Sullivan (2019) | ICT Trends 2021 -2025
- ⁷Gartner (2020) | https://www.gartner.com/en/information-technology/glossary/multiexperience-development-platforms-mxdp



15% daripada jumlah keseluruhan penduduk⁵



DIGITAL TRANSFORMATION (DT): A DEFINITION



DT is the cultural, organizational and operational change of an organization, industry or ecosystem through a smart integration of digital technologies, processes and competencies across all levels and functions in a staged and strategic way.

DT is not just about disruption or technology.

It's about value, people, optimization and the capability to rapidly adapt when such is needed through an intelligent use of technologies and information.







WHAT IS IR4.0?





A stage in the development of knowledge in which the lines between the physical, digital and biological spheres are being blurred. The backbone include 1) Artificial Intelligence 2) Cloud Computing 3) Big Data Analytics 4) Internet of Things.

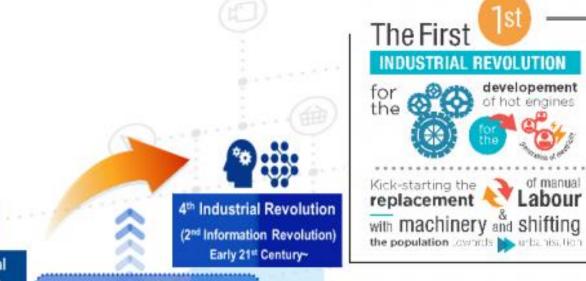
Schwab, K. (2016)

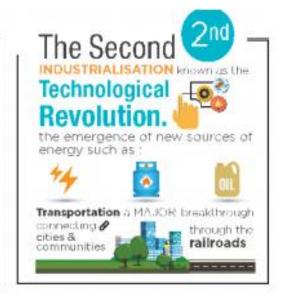




INDUSTRIAL REVOLUTION 4.0









1st Industrial Revolution 18®Century

Steam-based Machines



2nd Industrial Revolution 19th-20th Century

Electrical Energy-based Mass Production

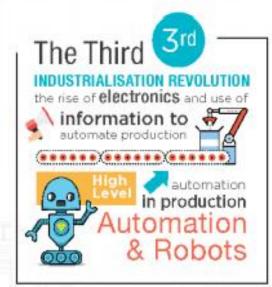


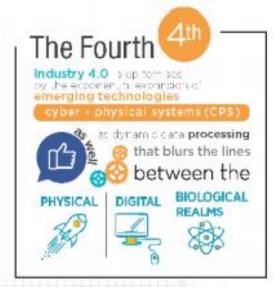
Revolution
(1st Information
Revolution)
Late 20th Century

Computer and Internet-based Knowledge



Source: https://blogs.worldbank.org/ic4d/files/ic4d/korea_ai_blog_1.png











BENEFITS OF MOVING ON TO DIGITAL TRANSFORMATION



- Solutions to eliminate errors and wastage
- Produce more products
- · Shortened cycle times



Flexibility

- Personalised products
- Efficient production
- Large variability in production control

0

Competitiveness

- Low manufacturing costs
- Use of innovative solutions
- Flexible response to fluctuations of demand

Profitability

- The advantages of mass production
- Optimized processes
- Low stock inventories
- Production efficiencies



Safety

- Software prevents defects
- Sensors are protecting worker safety
- Immediate reaction



Ecology

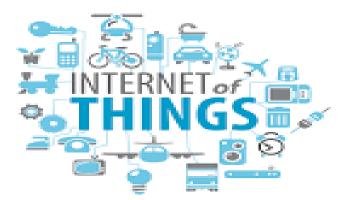
- Switching off unused objects
- Use of green solutions
- Renewable energy



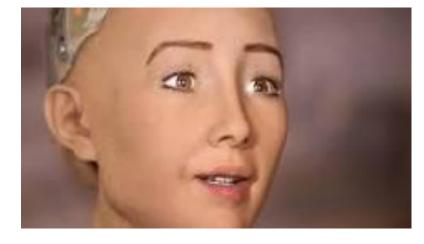


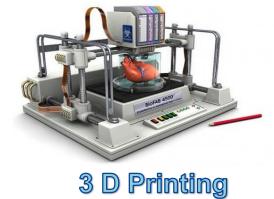
EMERGING TECHNOLOGY BREAKTHROUGHS













Sophia the social Robot

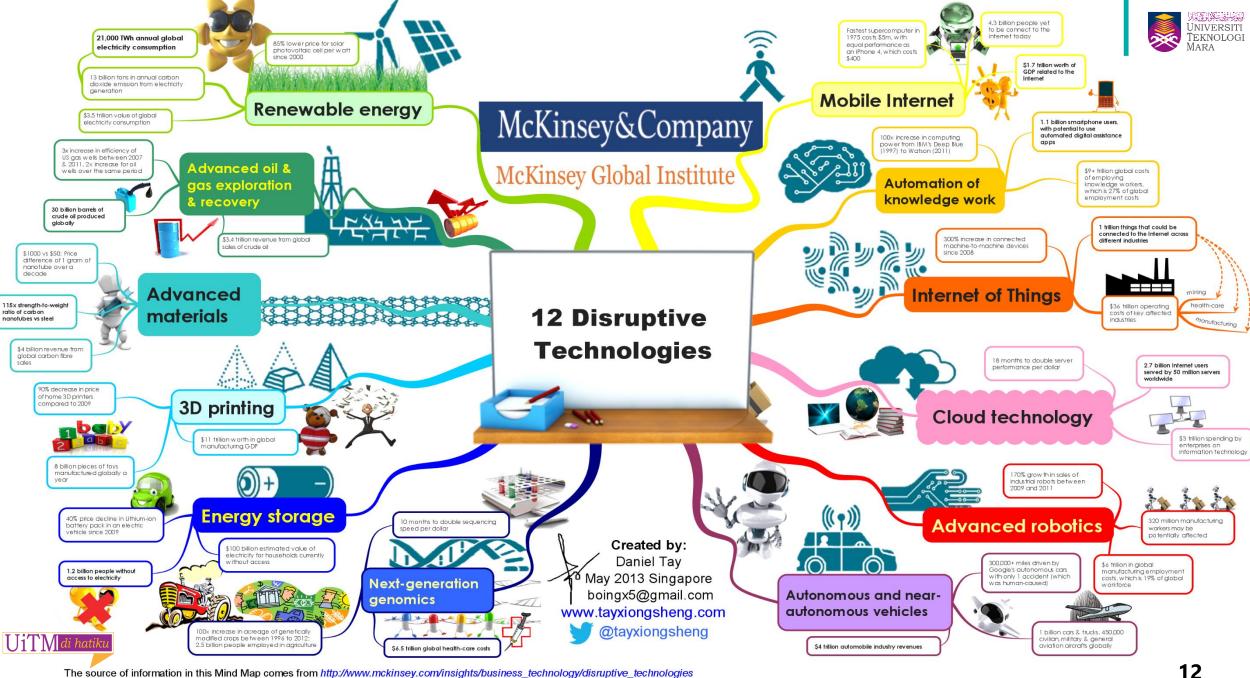






Virtual Reality





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DISRUPTIONS NEED PLATFORM



Digital disruption has already happened. None of these companies existed twenty years ago.

facebook

Popular media owners create no content (Facebook)

The fastest growing banks have no actual money
(SocietyOne)





estate (airbnb)

Large phone companies own no teleco infra (Skype, WeChat)



The largest movie house oens no cinemas (Netflix)



Largest software vendors don't write the apps (Apple/Google)





... a new digital order has been created through these platforms which may alter social, economic and political landscapes

DISRUPTIVE TECHNOLOGIES AROUND US

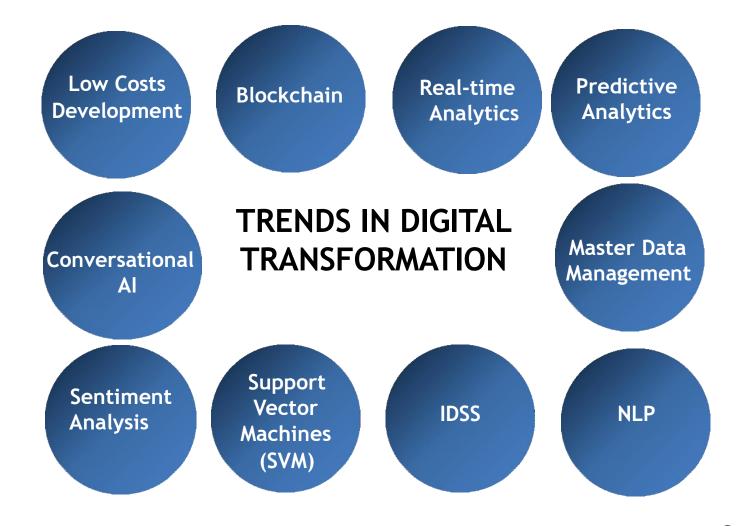








TOP 10 DIGITAL TRANSFORMATION TRENDS FOR 2020





COMIDOR

30 TECHNOLOGIES OF THE NEXT DECADE





#1 Artificial Intelligence Al /Machine Learning / Deep Learning



#6 Automation Information, Task, Process, Machine, Decision & Action



#11 3D Printing Additive Manufacturing & Rapid Prototyping



#11 Nanotechnology Computing, Medicine, Machines + Smart Dust



#21 Advanced Materials Composites, Alloys, Polymers, Biomimicry, Nanomanufacturing Paper, Feedback & Exoskeletons



#26 Smart Cities + Infrastructure & Transport



#2 Internet of Things IOT, IIOT, Sensors & Wearables



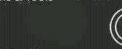
#7 Robots Cons.,/Comm./Indus., Robots, **Drones & Autonomous Vehicles**



#12 CX Customer Journey, Experience Efficiency, Energy Storage Commerce & Personalization



#17 Collaborative Tech. Crowd, Sharing, Workplace & Open Source Platforms & Tools Bionics & Health Care Tech.



#22 New Touch Interfaces Touch Screens, Haptics, 3D Touch,



#27 Edge/Computing + Fog Computing



#3 Mobile/Social Internet Advancements - Search/Social/ Messenging/Livestreams



#8 Immersive Media - #VR/ #AR/ #MR/ 360°/ Video?Gaming



#13 EnergyTech & Decentralized Grid



#18 Health Tech. Advanced Genomics,



#23 Wireless Power



#28 Faster, Better Internet Broadband incl. Fiber, 5G, Li-Fi , LPN and LoRa



#4 Blockchain #5 Big Data Distributed Ledger Systems, Apps, Infrastructure, Technologies + Predictive Analytics Cryptocurrencies & DApps



#9 Mobile Technologies Infrastructure, networks, standards, services & devices



#14 Cybersecurity Security, Intelligence Detection, Remediation & Adaptation



#19 Human-Computer Interaction Facial/Gesture Recognition, Biometrics, Gaze Tracking



Bio-/Enviro-Materials + Solutions, Sustainability, Treatment & Efficiency



#29 Proximity Tech Beacons, .RFID, Wi-Fi, Near-Field Communications & Geofencing



0101 1011

0110

#10 Cloud Computing, SaaS, laaS, PaaS & MESH Apps



#15 Voice Assistants Interfaces, Chatbots & Natural Language Processing



#20 Geo-spatial Tech. GIS, GPS, Mapping & Remote Sensing, Scanning, Navigation

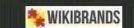


#25 Quantum Computing + Exascale Computing



#30 New Screens TVs, Digital Signage, OOH, MicroLEDS & Projections





2. THE DRIVE TO CHANGE











CHALLENGES COVID-19: MCO



MCO is here. It has change the landscape of how enterprise do business. What are their concerns and challenges?

"We want to reduce physical contact when dealing with our customers."

"We want to minimize physical documents dependencies." "I want documents can be legally signed via online platform."

"We want seamless document management solution that is accessible from anywhere." "Since we mostly do things online, we want to ensure all of our transactions are secured."

"I want to make our B2C customers' life easier"

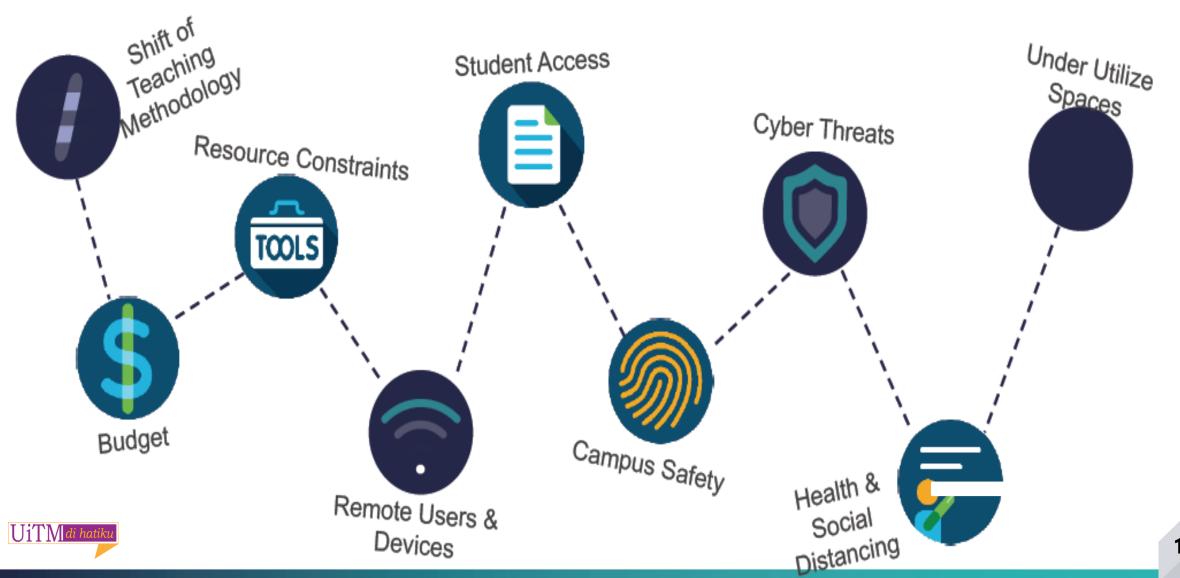








CHALLENGES COVID-19: STAND IN THE WAY OF STUDENT/UNIVERSITY SUCCESS





EDUCATION REACTS TO COVID-19



Current

Response

Focus for remainder of fiscal year



- Education Offers
- Information, resources, training
- SME customer training, coaching
- Messaging, content, seller enablement
- Social and digital

Reflect to Reimagine

Proactively plan for change



- · Plan for future
- Continuity of learning
- How can Industry help with transition?

Rebound to Recovery

Evolve to new normal



 What is the new normal short term and long term?





CHALLENGES IN HIGHER EDUCATION TODAY



Financial pressure is growing



Security and privacy are critical





A massive increase in remote users and devices



The need for faculty to rapidly shift teaching methodologies



Ensure student health and wellbeing



Determine what learning spaces will look like in the future







DISRUPTION IN EDUCATION



Ubiquitous Learning Gamification

Massive
Open
Online
Courses

Phenomenon Based Learning

Personalised Learning TRENDS IN EDUCATION

Student Centric

Flip Classroom Blended Learning

Connected Classroom

Ubiquitous Learning







IMPACTS OF DIGITAL TRANSFORMATION TO EDUCATION

- ✓ How will the lecturers teach? (method)
- ✓ How will the students learn?
- ✓ What will the lecturers teach (content)?
- ✓ How will the learning space look like?
- ✓ What are the roles of the lecturers?
- What are the roles of the students?
- What are the roles of support officers/staff
- ✓ What are the attributes of the students/lecturers/support?



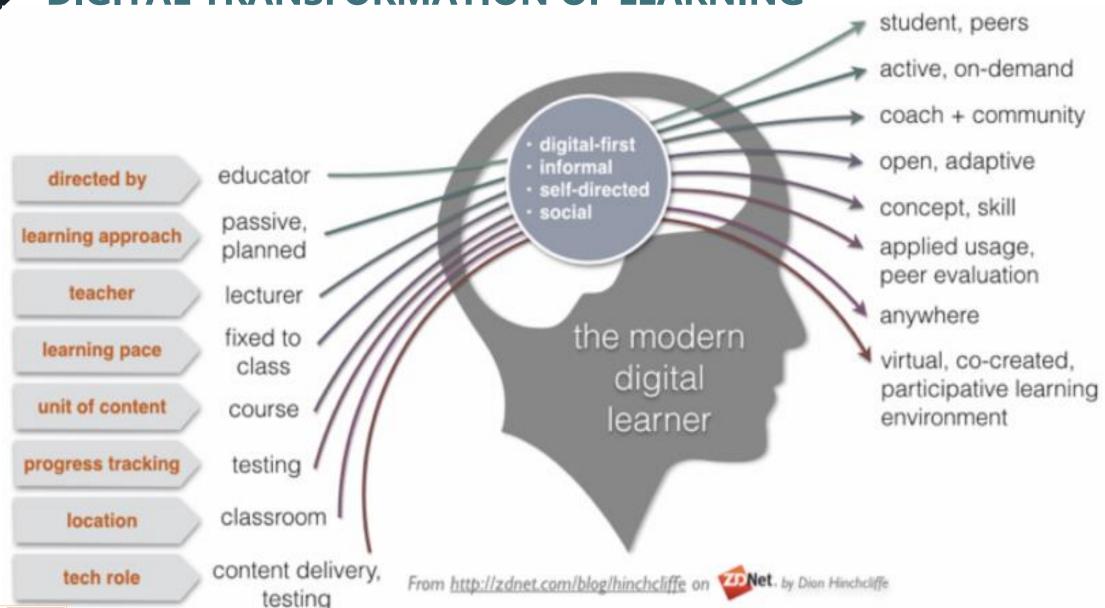




UiTM di hatiku



DIGITAL TRANSFORMATION OF LEARNING



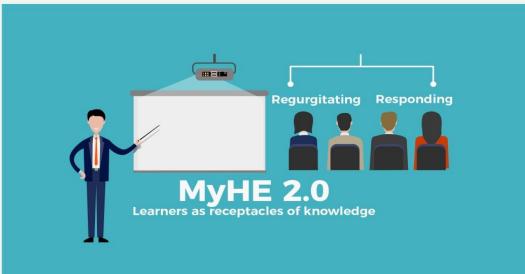


DELIVERY OF HIGHER EDUCATION







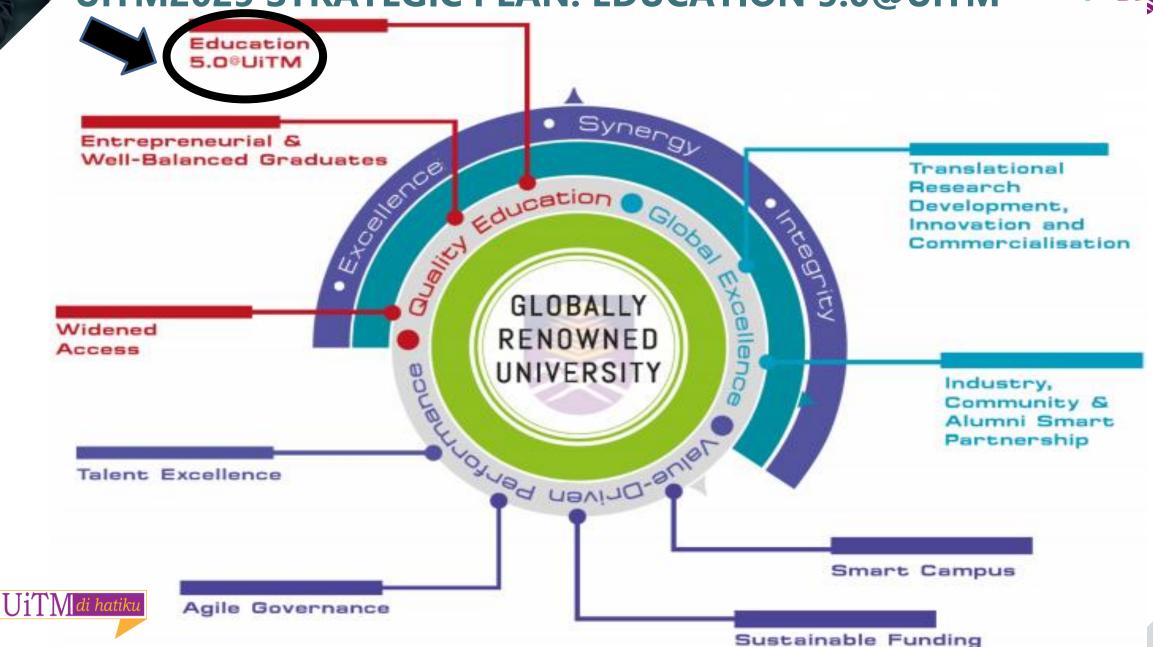






UITM2025 STRATEGIC PLAN: EDUCATION 5.0@UITM







What is Education 5.0@UiTM?



Defining Education 5.0@UiTM

A learning - centric ecosystem that is sustainable, balanced and principled, driven by values, powered by intellect and afforded by new, ubiquitous technologies



Education 5.0@UiTM is not about smart technology and the machine's capability to do what humans do; rather it is about what humans can do well rendered by smart technology and machines



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EDUCATION 5.0@UITM



Framing Education 5.0@UiTM

The elements of Education 5.0@UiTM: the foundation, the pillars, and the goal

Progressive Thinking Learners

Inspired Learning

Personalization

Pillars

TM di hatiku

Coherent and Relevant Curriculum

Innovative Delivery and Assessment

Meaningful Learning Experience Transformative Learning Environment

Inspiring Educators

Emerging Technologies

Clarity of Purpose

People-centred principles

Foundation

Engaging Ecosystem

Positive Culture





Inspired Learning

I hear, I forget I see, I remember I do, I understand I think, I discover I feel, I value I share, I gain Co-create

Engaged -Share experience, Collaborate

Involved - Feels belong to, relate to

Participate - communicate, contribute

Access - observing, informed, aware



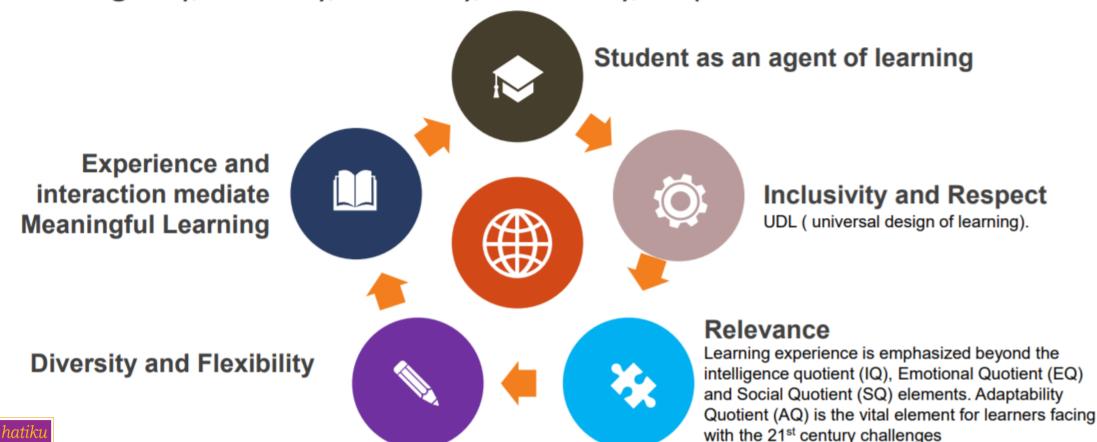




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Meaningful Learning Experience

A meaningful learning experience is the sum of a holistic set of dimensions – agency, diversity, flexibility, inclusivity, respect and relevance





Flexibility

- Omni Learning



A week free from the normal classroom on campus

Students may study online, go global, go for field experience, be involved in service learning, assist community activities, learn from industry experts or any subject matter experts from other universities, learn from peers, and much more without being confined to the four walls of the classroom.

Learn Anywhere

Learn Anytime Learn from Any Device

Learning online

Resource based learning, MOOCs, **Blended Learning**



Learning from the experts

Industry Experts Experts from other universities Experts from relevant organizations



Learning with and from peers

Peer tutoring/assessment, **Learning Communities** Intercampus network



No lectures in

Commencing March 2018. Faculties and campuses plan

class

for a Week Without Walls for all or some courses; students take responsibility and complete their learning tasks.

Instructors design the learning activities based on stipulated learning outcomes, monitor and facilitate learning....and assess the achievement of

Learning at a global platform

Global learning Virtual mobility & exchange

Learning in the community

Field experience, Service learning, community based learning, museum learning

Learning at the workplace

Work study, practicum, work based learning

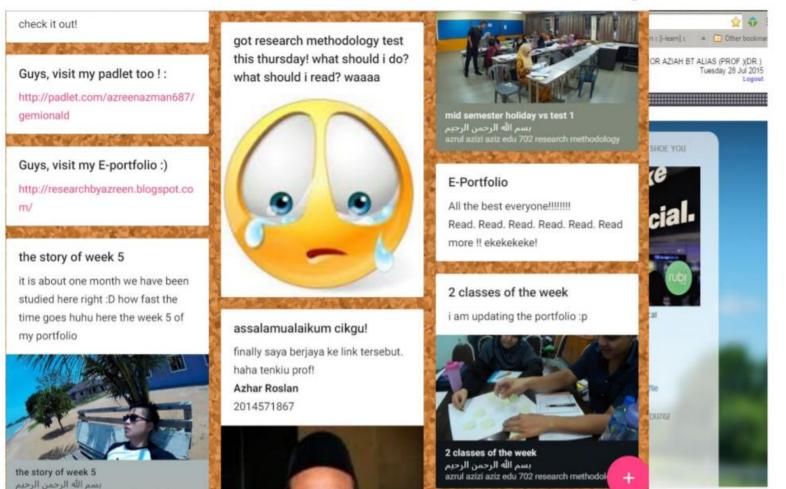






Portfolios and Self Assessments

Assessment as learning



Outcome : Lifelong Learning

Students are able to learn about themselves as learners

- become aware of how they learn
- become aware
 /have knowledge of
 one's own thought
 processes.

Students reflect on their work on a regular basis, usually through self and peer assessment 32







An exciting journey indeed



Fluid, dynamic and organic curriculum Industry and Community Relevant, Future proof

content, Shared and
Distributed Content, Multi
disciplinary electives, Expert
faculties



A student is not a statistic Immersive, Brain based, active learning, Efficient, effective flexible, ubiquitous technology Multiple Means of Representations



of learning Experience and interaction mediate I Learning, Relevant, inclusive, diverse,

flexible



Immersive Technology and Learning spaces Expansion of unique and creative learning through adaptive immersive technology and space; ARIF, data labs, makerspace



Inspiring educators; with great qualities, proactive in learning and enhancing abilities. All gained knowledge, skills and abilities from academic and research work brought in and shared together in class.



3. MAKING THE RIGHT MOVE













MALAYSIA EDUCATION BLUEPRINT (MEB) 2015-2025





April 2015

The 10th Shift









MEB 2015 – 2025 ROADMAP

Malaysia Education Blueprint 2015-2020: Transformation Roadmap Key stakeholders are the Ministry, HLIs, students and industry

Framework



Development Plan



- Globalized Online Learning
- Innovation Ecosystem
- Transformed HE Delivery
- Empowered Governance

Outcomes (Anchoring growth on people)

- Holistic, Entrepreneurial and Balanced Graduates
- Talent Excellence
- Nation of Lifelong Learners
- W Quality TVET Graduates
- Financial Sustainability





MEB 2015 – 2025 ROADMAP



Malaysia Education Blueprint 2015-2020: Transformation Roadmap Key stakeholders are the Ministry, HLIs, students and industry

TRANSFORMATION ROADMAP

AREA

FOCUS



2015

Building Momentum Laying Foundation

- Integrated assessment methodology
- CEO faculty programme
- University Transformation Programmes (Pilot)
- Best practices "playbooks
- TVET enhancements
- Enhancements to admissions process
- International Scholarships
- Designing "flagship" MOOCs
- Redesign Ministry organisation and operating model

2016-2020 **Accelerate System Improvement**

- ✓ Online learning infrastructures
- √ Off-campus or industry-based learning
- ✓ Infrastructure co-utilisation
- ✓ Integrated Higher Education
- ✓ Lifelong learning
- √ Research commercialisation
- √ Financial sustainability
- · Joint research funding from industry and community
- · TVET qualifications framework
- · Talent mobility programmes and multi-track career pathways
- Higher Education Talent Roadmap
- Recognising prior learning
- · Empowered governance for public HLIs
- International student management

2021-2025

Move towards excellence Operational Flexibility

- Incorporation of 21st century skills
- Completing the transition of all public universities towards earned autonomy
- Achieving financial sustainability
- Assessing implementation of greater autonomy for polytechnics
- Ongoing enhancements to the quality assurance and institutional ratings system
- Completing the rebranding of TVET
- Delivering results on University Transformation Programmes by HLIs
- Ongoing review on progress of initiatives
- Continuing diversification of Malaysia's international student population
- Ongoing review and enhancement of Malaysia's global education brand
- Completing the establishment of international research laboratories







MEB 2015 – 2025 FOCUS AREA

Higher Learning Institutions (HLIs) focus areas

Core business of teaching and learning, support business of operation and administration

Teaching & Learning

Content Management

Operation & Administration

ICT & Network Infrastructure





ACCELERATE DT IN HIGHER EDUCATION



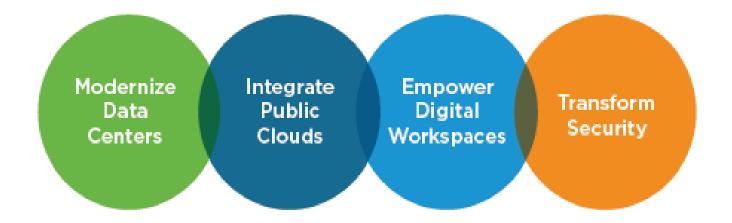
Grow Revenue, Drive Operational Efficiencies, and Reduce Costs



Mobilize Learning and Retain Students



Improve Data Security and Protect PII and IP





DIGITAL INSTITUTIONS



Digital Learning



Enhance quality and innovation of TEACHING and LEARNING



Accelerate productivity and collaboration in RESEARCH and DEVELOPMENT

Digital Campus



Improve operational efficiency of campus ADMINISTRATION and MANAGEMENT services



Transform and secure campus environment for better STAKEHOLDERS EXPERIENCE

Digital Capabilities for Education

Connected Learning

BYOD & Mobility infrastructure to transform learning anytime, anywhere with any device securely

Learning Spaces

Blended spaces for collaborative & effective engagement, enhance learning experiences

Digital Platform

Engaging learning & media resource repository, delivery & collaborative platform

Smart Workspaces

Transformative work spaces to entrench collaboration & drive productivity gains

Smart Services

Innovative business & campus service offerings, transform stakeholder experiences

Smart Facilities

Smart lighting, parking, building & environment control, security for end-toend campus experience

End-to-End IT Platform for Digital Institutions





HIGHER EDUCATIONAL INSTITUTIONS TODAY







Connect the campus

Campus wireless and connectivity

Mobile experiences and location services

Smart campus and automation



Streamline administration

Data-informed operations

Administrative collaboration

Student engagement and retention services



Expand learning models

Active learning spaces

Distance learning

Faculty professional development



Facilitate safety and security

Network, endpoint, and web security

Identity and access control

Video surveillance and physical security



Fuel innovative research

Research collaboration

High-performance computing

Research cloud security





BLENDED LEARNING STRATEGIES FOR EDUCATION



 Flipped - students review lecture content prior to class; class time focuses on discussion and application of lecture

Flipped Virtual

Hybrid

Online

 Virtual - face-to-face classroom experience is replaced with virtual classroom

 Hybrid - integration of multiple teaching methods into the course pedagogy

 Traditional - in-person, typically lecture-based courses

Traditional

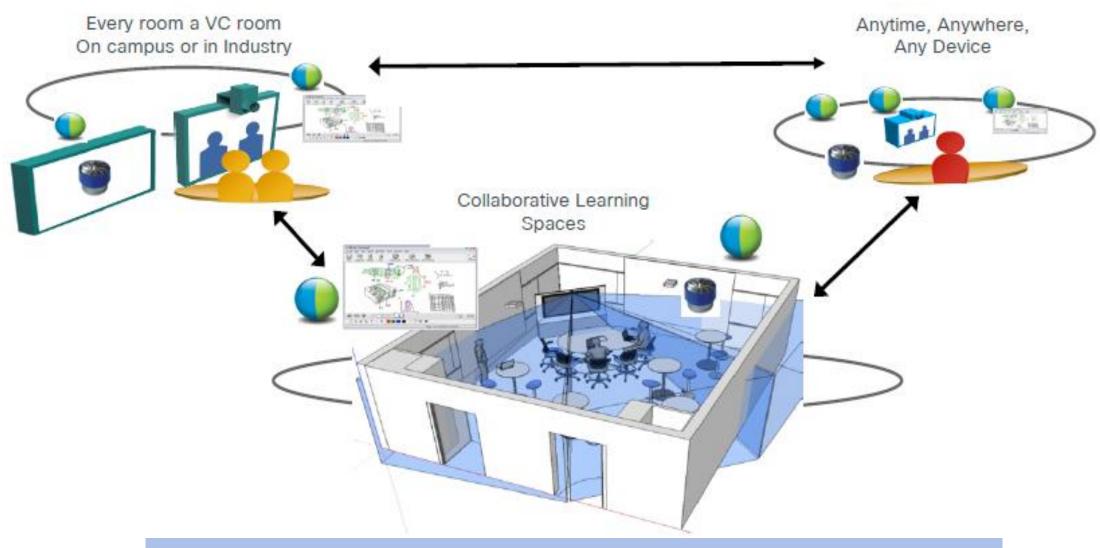
 Online - content delivered online; student self-study oriented approach with minimal teacher interaction (e.g., MOOC)





BLENDED LEARNING SPACES













Day-in-a-life of: Teacher, Student, Industry Partners

Pre-class (Students):

- · Pre-class enrollment
- Flipped content preview
- Self-directed learning

Pre-Class (Educators)

- · Pre-class announcements
- Flipped content recording
- Prep calls with Industry Guests / Experts

In-Class -

(Educators)

- · Active class teaching
- Remote immersive & lifesize teacher
- Industry guest speaker
- Remote Industry experts
- · Rich / engaging content

In-Class (Students)

- Active learning / engagement
- Remote participation
- · Collaborative learning
- Engaging industry experts

Post-Class (All)

- · Review content
- · Tutorial / consultation
- · Research & project work
- Partner with anyone, and anywhere in the world







LEARNING STATION @ COMMON SPACES, LIBRARY AND HOSTELS



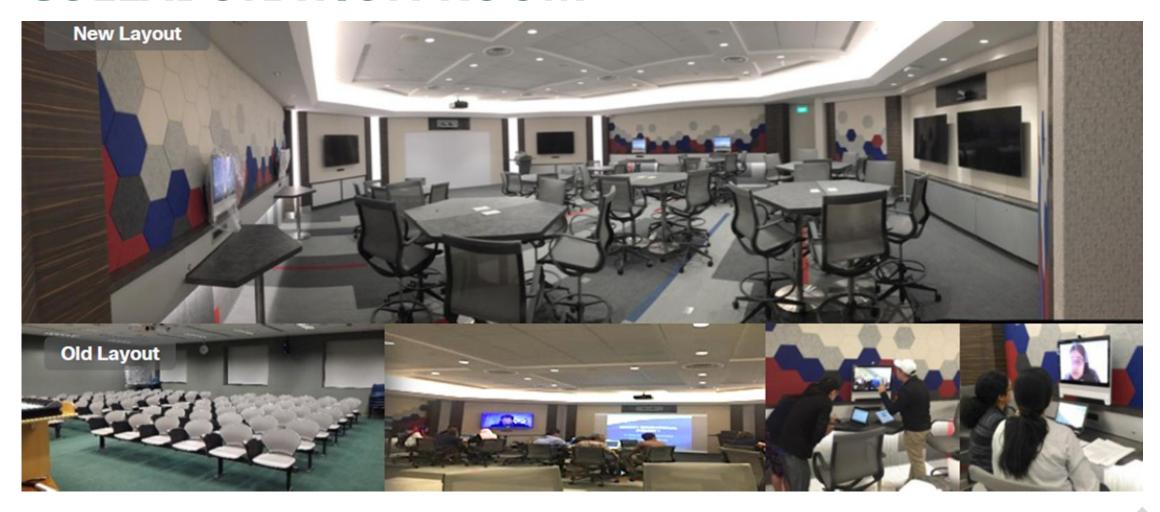
- Purpose-built video/audio conferencing for huddle spaces for small group of students
- Attend Classes in a group
- Project group work
- · Group discussion
- Special needs students







LEARNING SPACES DESIGN: ACTIVE COLLABORATION ROOM







ADMINISTRATIVE COLLABORATION



Boost administrators' productivity with collaborative, digital workspaces.



Business needs

- Make meetings more efficient and valuable, less time-consuming
- Improve attendance and engagement at meetings
- Reduce wasted time spent traveling to meetings
- Reduce meetings on same topic
- Improve crossdepartmental collaboration
- Improve compliance metrics through better tracking

Capabilities

- Conduct live video calls with any number of participants from any device
- Record meetings for review and missed participants
- Continue discussion after meeting in secure, private messaging space
- Conduct large-scale video broadcasts (including global)
- Broadcast messages across customized digital signage

Business outcomes

- Better administrative decision making across teams
- · Streamlined staff training
- Improved meeting attendance
- Elimination of travel time to meetings
- Validated compliance metrics

Stakeholders

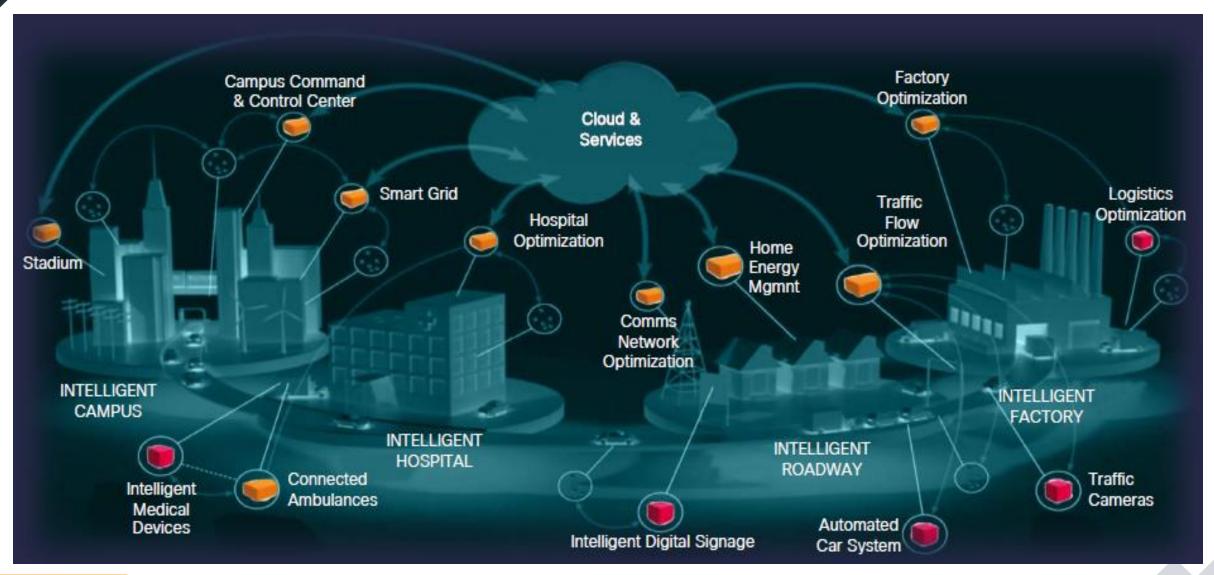
- Chancellor
- · Vice Chancellor
- Deans
- CFO
- CIO





A CAMPUS WITH A DIGITAL OVERLAY







3. UITM DIGITAL CAMPUS











DIGITAL CAMPUS LIFE STYLE





UITM ENTERPRISE ARCHITECTURE

Business

Architecture

ICT

Architecture

Management

Change

Physical Architecture

UiTM Strategic Direction Model

UiTM Chancellor | Government | University Top Management | Industry | Staff | Student | Ciitizen | Alumni | Education of community

Digital Interface Executive | Student | Staff| Public Application Services Advanced Analytics Academic | Student | Research | Analytical App Industrial Linkage | Operational Support Enterprise Search | ECM Staff Company Governance ICT Security **Technology Integration Integrated Data** Enterprise Informational Master \Box Data Store Data Management **Environment Operating Environment** Research Desktop **Data Center Disaster Recovery** Infrastructure Computing Computing Center Infrastructure **Enterprise Network Infrastructure**

Stakeholder

Communication Channel

Application Architecture

Information Architecture

Technology Architecture

Enabling Facilities Building & Structure | Financial & Funding | Facility & Utilities | Security & Safety

COMMUNICATE

UITM2025 STRATEGIC PLAN





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UITM2025 DESIRED STATE



UiTM aims at becoming a Globally Renowned University by 2025.

UiTM2025 anchors on Three (3) Strategic Thrusts.

Each strategic thrust is associated with identified **Strategic Themes (ST)**.

- Quality Education
- Global Excellence
- Value-Driven Performance

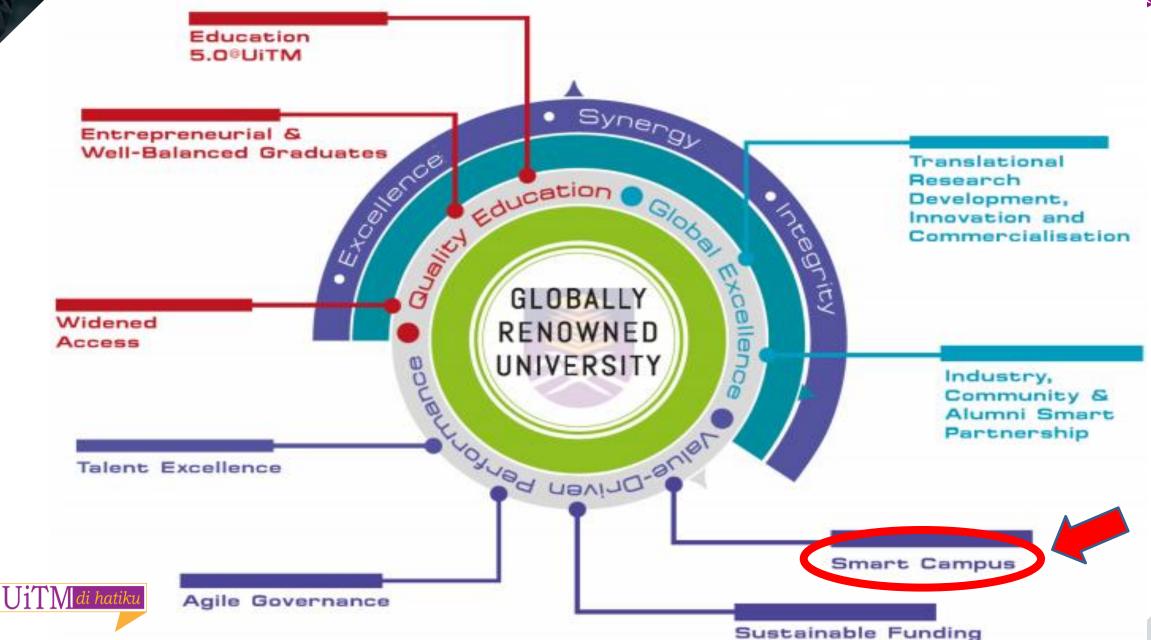




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UITM2025 STRATEGIC PLAN: SMART CAMPUS

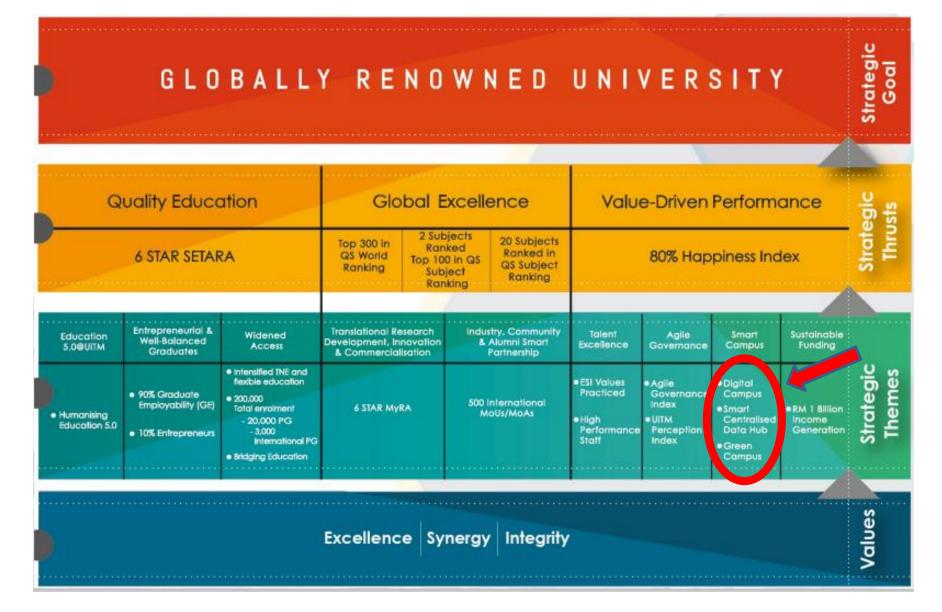








UITM2025 DESIRED STATE: DIGITAL CAMPUS







UITM ICT STRATEGIC PLAN (ISP UITM) 2018-2021











MAPPING ISP PROGRAMME, ICT STRATEGIC OBJECTIVES (SO) & RMKe-11 PERFORMANCE INDICATOR (PI)



1.Pengukuhan Kompentensi Personel ICT

2.Pemerkasaan Tadbir Urus Dan Organisasi ICT

3.Pembudayaan ICT

4.Kepintaran Organisasi (OI)

5.Inisiatif Aplikasi Teras (CIN)

6.Migrasi & Pengoptimuman Infrastruktur Aplikasi (AIMO)

7.Persekitaran Pengkomputeran Ketersediaan Tinggi (HACE)

8. Transformasi Perkhidmatan ICT

OS1: Memastikan Prestasi, Integrasi dan Konsolidasi Sistem Secara Menyeluruh

OS2: Meningkatkan Kebolehpercayaan Infrastruktur ICT

OS3: Melaksanakan Tadbir Urus ICT Yang Berkesan dan Cemerlang PI1: Bil. Infrastruktur pintar yang disediakan di kampus (4,5,6)

PI2: Bil. kampus yang mendapat jalur lebar (7)

PI3: Purata tahap kepuasan pelanggan mencapai skor 5 dan 6 (1,2,3,8)

8 PROGRAM ICT

3 OBJEKTIF STRATEGIK ICT

3 PETUNJUK PRESTASI (PI)



ISP PROJECT TOWARD DIGITAL CAMPUS

CIO Office Garis Panduan Pengurusan ICT Knowledge Management Platform Kamus Data Universiti Sistem Kewangan, Akademik, Pelajar & Staf ditambahbaik Naiktaraf Rangkaian Keselamatan ICT dikukuhkan SITIALL CLASSIOON. Mobile Apps UiTM digital campus Perisian All Jamik Fasa 1 (New/Po

Sistem Pengurusan Alumni Bersepadu

Tadbir Urus ICT diperkasa **UiTM Data Warehouse** Business Intelligence Platform Naiktaraf Video Conferencing Smart Classroom Fasa 3 Penubuhan Kumpulan Pakar ICT Perisian Akademik Fasa 2 (New/Renewal) Penambahbaikan Pusat Data

2020

Continuous Staff Development

ICT Competency \ Professional & Career Development \ Leadership \ Coaching

Mobile Apps UiTM digital campus

iSBU (Strategic Business Unit)

Smart Classroom

Aplikasi Open Source

meningkat

Roadshow \ Awareness \ Communication & Engagement \ Training \ CRM

2019

UiTM Data Warehouse

Mobile Apps UiTM digital campus asd 4

Virtual Desktop Infrastructure (VDI) Makmal Latihan Staf

Perisian Akademik Fasa 3 (New/Renewal)

Video Conferencing Smart Classroom Fasa 4 Repositori Profil Staf ICT UiTM Dashboard 2.0 **PRINCE**

2018

onlined Identity Manager Mobile Apps UiTM digital campus



Change Management

Program



MOBILE APPS UITM DIGITAL CAMPUS



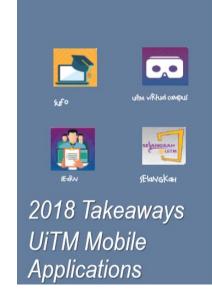






UiTM Digital Campus Team

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🥰 uitm digital campus









ptaR SERvicEs



infostRuktuR bpp bhEa invEd it so bulon ptak invoka pejabat pendaftaR



Easy & Quick





DIGITAL CAMPUS BENCHMARK





Curtin University



Singapore Polytechnic



Melbourne University



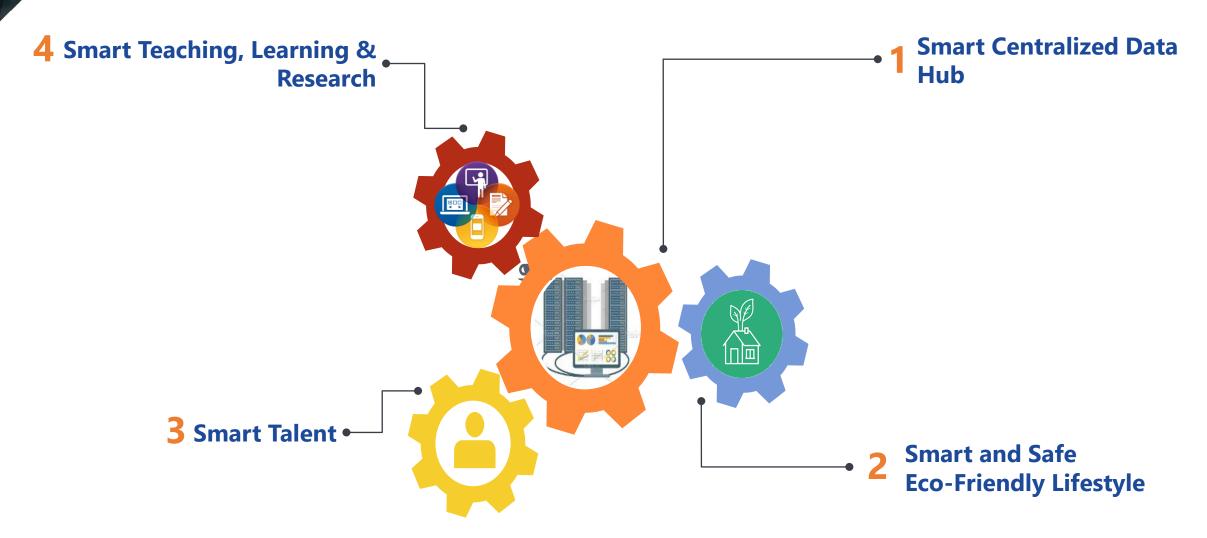
Universiti Teknologi Malaysia





UITM DIGITAL CAMPUS FOCUS AREA



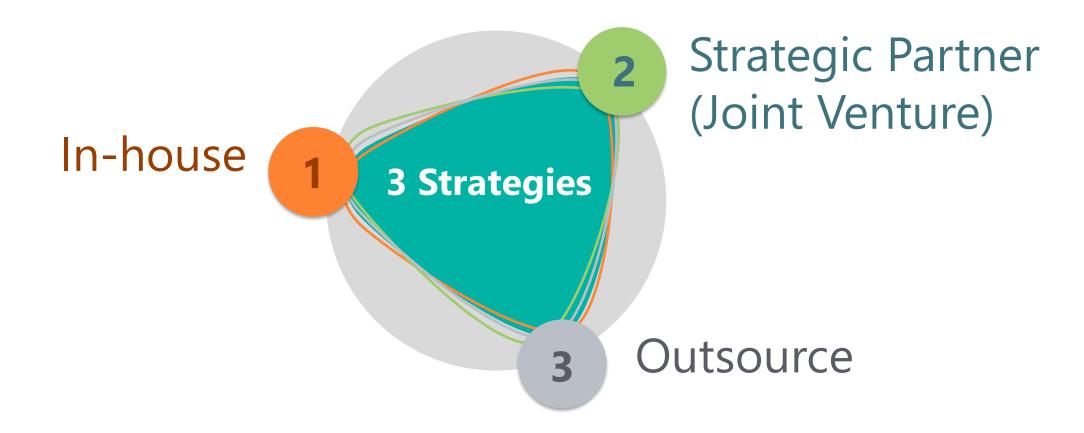






UITM DIGITAL CAMPUS - IMPLEMENTATION STRATEGY







UITM DIGITAL CAMPUS – STRATEGY PARTNERS































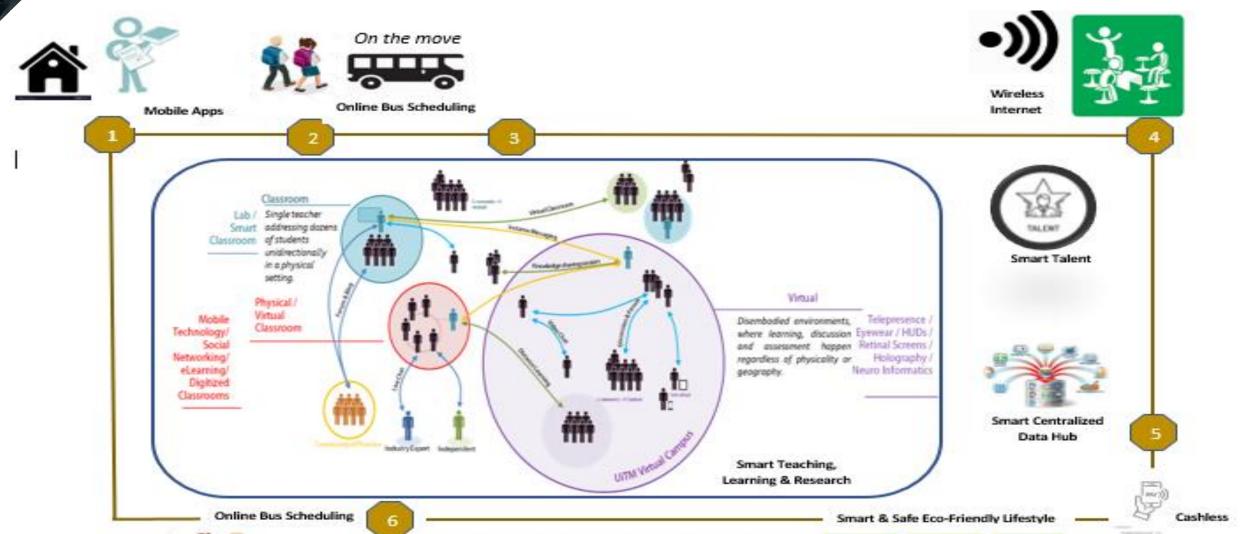




OMMUNICATE

UITM'S DIGITAL CAMPUS LIFESTYLE







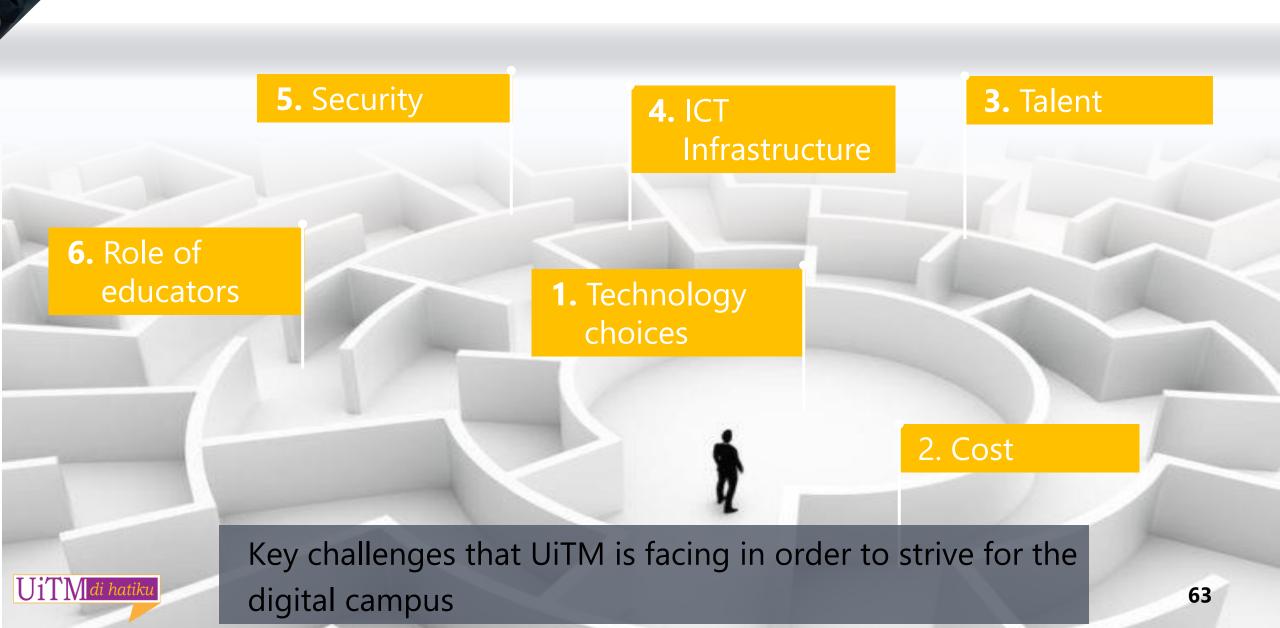






DIGITAL CAMPUS CHALLENGES

















RMKe-12 2021-2025

Way Forward?



Rancangan Malaysia Kedua Belas (RMKe-12) adalah kesinambungan kepada Pelan Rancangan Malaysia Kesebelas (RMKe-11) yang digubal berasaskan 'Wawasan Kemakmuran Bersama 2030' dan menjadi garis panduan kepada pembangunan jangka panjang.

Pembangunan RMKe-12 memfokuskan kepada 7 Tonggak berikut:

- Tonggak 1: Sumber Pertumbuhan
- Tonggak 2: Pertumbuhan Hijau
- Tonggak 3: Pemboleh Pertumbuhan
- Tonggak 4: Modal Insan
- Tonggak 5: Inklusiviti dan Kesejahteraan Rakyat
- Tonggak 6: Reformasi Institusi
- Tonggak 7: Modal Sosial

Tiga dimensi pembangunan dan reformasi institusi adalah sejajar dengan Sustainable Development Goals (SDG) yang ditunjangi oleh Tadbir Urus Kerajaan dan Alat Dasar Baharu.







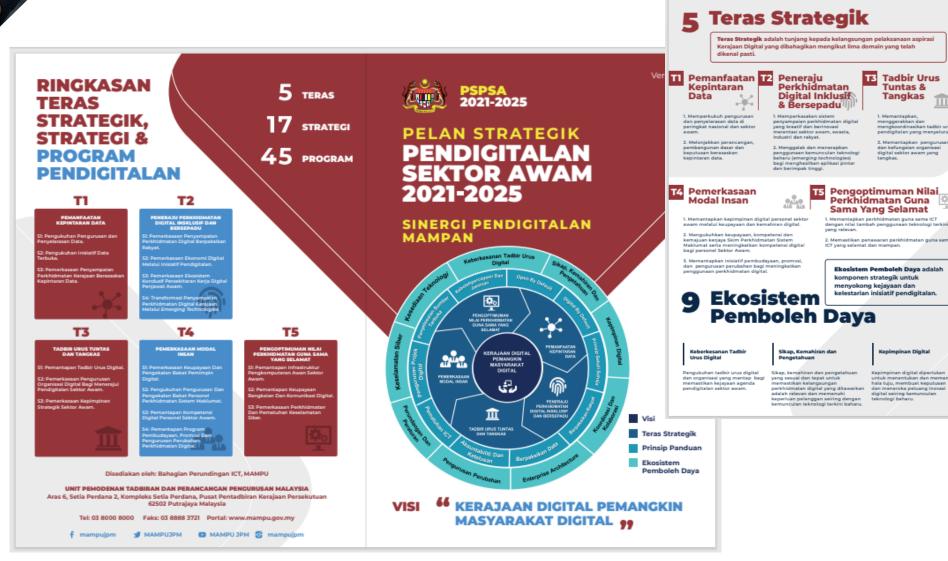
Perekayasaan Sosial: Meningkatkan modal sosial.

keterangkuman dan kesepaduan sosial



PSPSA 2021-2025: SINERGI PENDIGITALAN MAMPAN





Prinsip Panduan

Prinsip Panduan adalah dasar yang mendorong ke arah kejayaan pelaksanaan inisiatif pendigitalan.

perkhidmatan yang disediakan dengan te mudah dan lancar di samping memastikan kuali perkhidmatan adalah

perkhidmatan digital teriamin dan selamat

dan kefungsian organisas digital sektor awam yang

menggerakkan dan mengkoordinasikan tadbir urus

TS Tadbir Urus

Perkhidmatan Guna Sama Yang Selamat

Ekosistem Pemboleh Daya adalah komponen strategik untuk menyokong kejayaan dan

Kepimpinan Digital

hala tuju, membuat keputusan

dan meneroka peluang inovasi

kelestarian inisiatif pendigitalan.

Tuntas &

Tangkas

garis panduan serta amalan terbaik ICT.

menggunakan

nilai tambah kepada perkhidmatan digital merentasi Kerajaan, akademia, industri dan

maklumat yang sama berulang kali menerusi perkhidmatan digital Kerajaan.

Open by default menggariskan data

serta pembabitan rakyat dalam menjalinkar

kerjasama di antara agensi ataupun jabatan

digital yang terbaik, mudah ketinggalan (Jegving no one behind) yang juga meliputi

Enterprise Architecture

rakyat dan sebagainya dalam semua aspek pendigitalan

peraturan yang relevan, holistik dan dinamik bagi memenuhi tuntutan persekitaran dan kelangsungan Kerajaan Digital yang mampan.

Transformasi digital kepada sistem dan prosedur kerja semas berasaskan keperluan rakyat, telus, mudah dan cepat.

mengutamakan rakyat

kesinambungan penyampaian perkhidmatan digital yang selamat dan boleh dipercayai

Pengurusan Perubahan

kecuali data peribadi, data kercusi data peribadi, data ransia rasmi yang dapat memberi impak kepada ekonomi, sosial dan persekitaran di samping mengekalkan ketelusan

Garis Panduan Pelaksanaan EA Sektor Awam (MyGovEA) bagi meningkatkan penyampaian perubahan yang berterusan dan berkesan bagi memastikan inisiatif pendigitalan di semua peringkat agensi kerajaan perkhidmatan yang bersepadu, terangkum dan selamat dengar persekutuan dan negeri diterima dan dilaksanakan dengan jayanya

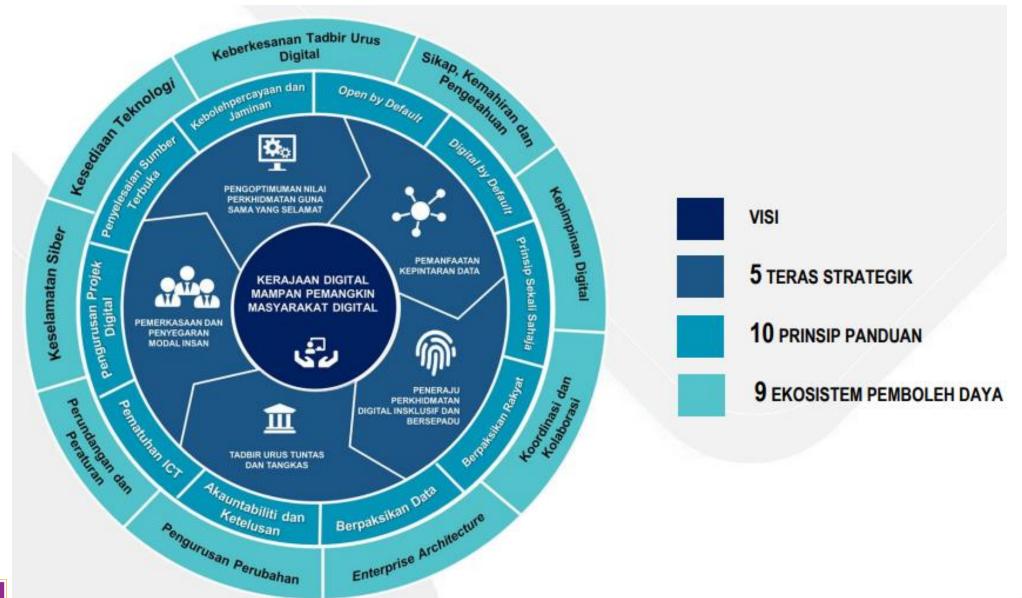
Kesediaan Teknologi Keselamatan Siber

Kesediaan teknologi baharu yang mencipta inovasi dan nilai serta mempercepat tugas dan proses untuk meningkatkan penawaran perkhidmatan digital,



PUBLIC SECTOR DIGITILIZATION FRAMEWORK







COMMUNICATE

ALIGNMENT TO GLOBAL AND NASIONAL DIRECTION





National Policy on Industry 4.0

Industry WRD

Pelan Antirasuah Nasional

PELAN ANTIRASUAH

NASIONAL 2019-2023







Thank You

JABATAN INFOSTRUKTUR Pejabat Pembangunan Infrastruktur & Infostruktur UiTM Shah Alam