

Master in Leadership Development in ICT and the Knowledge Society - LC 514

1. Programme Overview

The ALICT programme's overarching goal is to develop a group of African ICT, Education, STI and Knowledge Society leaders that can become *agents for change* in their own countries and be catalysts for regional cooperation in the domain of ICT, Education, STI and Knowledge Societies both at the country and sub-regional levels. Through this proposal, the programme will consolidate a proven successful initiative in Ethiopia, Kenya and Uganda as well as add on new set of countries Djibouti, Somalia, South Sudan and Sudan to build and strengthen visioning, strategic planning and management, policy making and related strategic capacities of future leaders and policy makers in Africa on ICTs' role in the development of inclusive and sustainable Knowledge Societies in Africa.

2. Objectives

- To build the capacity of selected future African leaders to become leaders for Knowledge Society development in their countries and in their regions.
- To build a network of experts in the countries and across the continent to continue dialogue across borders of organisations and countries.
- To ensure that this capacity building programme becomes a part of public sector capacity building.

3. General Entry Requirements

Successful completion of an Undergraduate Degree with

- At least a Second Class or 50%, whichever is applicable or
- GPA not less than 2.5 out of 4 or equivalent, from a recognised higher education institution.

Or alternative and/or equivalent qualifications acceptable to the University of Mauritius. Mature candidates will be considered on a case-to-case basis.

Students who already hold a Graduate Diploma of the Dublin City University in Leadership Development in ICT and the Knowledge Society, can apply to join directly at the Masters level, and will have to complete the Dissertation component (12 credits) of the Master programme.

4. Programme Requirements

- At least three years working experience in the public or private sector in one of the following areas – Education or ICT or Science & Technology or in Innovative and emerging economic sectors.

5. Programme Duration

The duration of the Programme should normally not exceed 36 months.

	Normal	Maximum
Postgraduate Diploma	12 months	24 months
Masters	18 months	36 months

6. Credit per Semester

Minimum 4 credits subject to Regulation 5.

7. Minimum Credits Required

Master's Degree:	36
Postgraduate Diploma:	24
Postgraduate Certificate:	12

Breakdown as follows:

	(Minimum) Core Taught Modules	Dissertation	Electives/ Optional Modules
Master's Award:	15 credits	12 credits	9 credits
Postgraduate Diploma:	15 credits		9 credits
Postgraduate Certificate:	12 credits		

8. Assessment

The programme will be assessed fully by coursework. Assessment will include individual and group work and will cover a wide range of assessment techniques (journals and portfolios, reports and online participation). Assessment will be module specific.

The pass mark for a module in the programme will be 50% given the nature of assessment which is entirely through coursework. All submitted coursework reports in the context of this programme will be subject to plagiarism check through the Turnitin Software.

9. Statement of Quality Assurance

The programme of study shall be subject to the normal quality assurance processes operated by UoM and GESCI. The programme shall be subject to annual review taking into account feedback from students, external examiners, the Programme Development Team and the

Programme Board. The programme will be subject to initial review after one year and subject to a successful outcome and continuation of the programme, a full review will be conducted after three years from initial student intake.

A meeting of the Programme Board shall be dedicated annually to the review of the programme and shall report to the appropriate authority in each Party's institution (e.g. School Meeting, Faculty Teaching and Learning Committee, Faculty Board) accordingly.

10. Programme Modality

The programme is offered on a blended and flexible mode.

11. List of Modules- MSc in Leadership Development in ICT and the Knowledge Society

Code	Module Name	Hrs/Wk	Credits
<u>CORE MODULES</u>			
CIL 5000	Leadership in the Knowledge Age	DEOL	4
CIL 5001	New Strategies for Science, Technology and Innovation	DEOL	4
CIL 5002	Communication Infrastructures	DEOL	4
CIL 5003	ICT Applications and the Role of Governments	DEOL	4
CIL 5004	Education in the Knowledge Age	DEOL	4
CIL 5005	Knowledge Society for Africa	DEOL	4
CIL 5006	Research Project	-	12

12. Programme Plan- MSc in Leadership Development in ICT and the Knowledge Society

The programme will be offered over three semesters.

Semester 1

CIL 5000 – Leadership in the Knowledge Age (4 credits) - DEOL

CIL 5001 – New Strategies for Science, Technology and Innovation (4 credits) - DEOL

CIL 5002 – Communication Infrastructures (4 credits) - DEOL

Semester 2

CIL 5003 – ICT Applications and the Role of Governments (4 credits) - DEOL

CIL 5004 – Education in the Knowledge Age (4 credits) - DEOL

CIL 5005 – Knowledge Society for Africa (4 credits) – DEOL

Semester 3

CIL 5006 – Research Project (12 credits)

13. Outline Syllabus

CIL 5000 – Leadership in the Knowledge Age (4 credits)

By the end of the module the participants should be able to:

- Apply leadership techniques and tools
- Set directions and motivate others to achieve a common goal.
- Develop strategies to implement their vision and goals
- Make complex decisions in a dynamic and risky environment
- Facilitate change in their organizations
- Work effectively with peers and managers
- Analyze critically their own leadership skills, attitudes and abilities and create strategies for overcoming their individual weaknesses
- Utilize 360-degree assessment as a holistic approach for leadership and organizational development.

CIL 5001 – New Strategies for Science, Technology and Innovation (4 credits)

By the end of the module the participants should be able to:

- Distinguish between different conceptual issues on Science, Technology and Innovation (STI), and how these are related to the concept of knowledge society
- Develop and provide advice to their governments on issues related to STI policies
- Develop and implement innovation related projects in their organizations.

CIL 5002 – Communication Infrastructures (4 credits)

By the end of the module the participants should be able to:

- Demonstrate a proficient understanding of telecommunications infrastructure and internet connectivity concepts
- Critically analyse the economic value and need for developing broadband networks in their countries
- Describe and assess their countries' telecommunications infrastructure with respect to peer countries with equivalent demographics and geographies and identify gaps and needs
- Identify and examine a range of government interventions to promote the development of broadband network infrastructure.

CIL 5003 – ICT Applications and the Role of Governments (4 credits)

By the end of the module the participants should be able to:

- Understand the roles their governments are playing currently, and should play in the future, in order to develop an enabling environment for KS development
- Acquire an overview of e-government applications in government and society
- Identify the economic and social benefits of the application of ICTs in specific economic and development areas
- Reflect on their own role as leaders, and their organisation's role in the advancement of the KS in their countries and regions

CIL 5004 – Education in the Knowledge Age (4 credits)

By the end of the module the participants should be able to:

- Critically analyze education policies and strategies in relation to development towards knowledge societies and economies
- Engage in individual and community reflection on case studies, reports, trends futures and futures thinking scenarios for educational provision and development
- Apply futures thinking tools for conducting institutional/cross-institutional discourse on issues and futures scenarios and for building consensus on education development path options and strategies
- Report on practical interventions in country contexts to address education change needs and enable the outlining of futures education development path options.

CIL 5005 – Knowledge Society for Africa (4 credits)

By the end of the module and the course the participants should be able to:

- Understand how to develop policies for Knowledge Society development in each of the three pillars and the interrelationships between the pillars
- Critically analyse policies and strategies and their impacts in their own country and region
- Produce a Policy Coherence Roadmap to the Knowledge Society for their own country
- Have a complete picture of the state of knowledge societies in Africa and their developmental pathways
- Exhibit enhanced research and writing skills
- Produce an article eligible for publication in State of the Knowledge Society in Africa.

CIL 5006 – Research Project (12 credits)

This involves the submission of a dissertation that treats a research aspect in the field. Students are expected to use well defined as well as innovative methodologies. The total no of words for the dissertation will be 12,000-14,000 words.

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