THE NETWORKED UNIVERSITY: OPPORTUNITIES AND CHALLENGES FOR HIGHER EDUCATION BETWEEN THE ARAB WORLD AND EUROPE

Session 6: Implications of managing the networked university

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A CONNECTION TO THE WORLD TRADE

CALLAO PORT
A GATE INTO LATIN AMERICA
OUR ANCIENT WORLD

3000 - 1900 BC

100 - 600 AC

1450 AC
LIMA - COLONIAL TIMES
National University of Engineering- Universidad Nacional de Ingeniería
Lima - Perú
<table>
<thead>
<tr>
<th>No.</th>
<th>Faculties</th>
<th>Specialties</th>
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<tbody>
<tr>
<td>1</td>
<td>Architecture, Urbanism and Arts</td>
<td>A1 Architecture</td>
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<td>2</td>
<td>Civil Engineering</td>
<td>C1 Civil Engineering</td>
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<td>3</td>
<td>Economic Engineer and Social Sciences</td>
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<td>E3 Statistics Engineering</td>
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<td>Mining, Metallurgical and Geologic Engineering</td>
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<td>G2 Metallurgical Engineering</td>
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<td>G3 Mining Engineering</td>
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<td>5</td>
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<td>I2 Systems Engineering</td>
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<td>Electrical and Electronic Engineering</td>
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<td>L3 Telecommunications Engineering</td>
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<td>M4 Mechanical and Electrical Engineering</td>
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<td>M6 Mechatronics Engineering</td>
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<td>N2 Mathematics</td>
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<td>N3 Chemistry</td>
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<td>N5 Physical Engineering</td>
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<td>P2 Petrochemistry and Natural Gas Engineering</td>
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<td>10</td>
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<td>Q2 Textile Engineering</td>
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<td>11</td>
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<td>S1 Sanitary Engineering</td>
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<td>S2 Hygiene and Industrial Security Engineering</td>
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PRIORITIES IN INTERNATIONAL ENGAGEMENT
OUR PRIORITIES
New UNI statute
University Act - 2014

National Educational Policy

RESEARCH + INTERNATIONALIZATION

QUALITY IN HIGHER EDUCATION

ROLE
Alternatives to stagnation of society
Local and regional problems
Science, technology and innovation

Reducing obstacles to get human development in a changing environment
School Accreditation

- The School of Architecture, Urbanism and Arts of the National University of Engineering– Lima, Peru accredited by RIBA (Royal Institute of british architects) in 2011.
School Accreditation

- The School of Civil Engineering of the National University of Engineering (Universidad Nacional de Ingeniería, UNI) – Lima, Peru accredited by ABET (formerly the Accreditation Board for Engineering and Technology) in 2014.
FAB LAB NETWORK
UNI - MIT – UNIV. BARCELONA
STRATEGIC PARTNERSHIPS

LOCAL NETWORKS

The national university network for environment RAI (68 universities)

Environmental university policies facing the climate change.

REGIONAL NETWORKS

UNI is partner of the Peruvian network for Asia Pacific Studies REDAP
SATREPS
Science and Technology Research Partnership for Sustainable Development

International Cooperation Programme

Its main objective is to use the research results to improve the society conditions solving problems related to environment, energy, biological resources, disaster prevention and diseases.
ENDEAVOURS TO
PROMOTE
RESEARCH ACROSS
FACULTIES
RESEARCH CENTRES

NATIONAL HYDRAULICS LABORATORY - INICTEL – CISMID - CTIC - IPEG - IMCA

CROSSED MASTER PROGRAMMS
RENEWABLE ENERGIES

NEW CENTRAL GRADUATE SCHOOL

CENTRAL OFFICE FOR INTERNATIONAL COOPERATION
POSSIBLE FIELDS FOR INTERNATIONAL COOPERATION AND RESEARCH
The National Hydraulics Laboratory is a 17 000 m² facility whose main purpose is to support experimental research in hydraulic engineering.

Up to 12 000 m² are used for testing physical models.

Numerical modeling is also conducted.
RESEARCH IN TELECOMMUNICATIONS INICTEL
Seismic Research and Mitigation
CISMID (Peru - Japan)

The Center consists of a Department of Planning and Disaster Mitigation, Geotechnical Laboratory, Structures Laboratory, Accelerograph Network and Computer Center. It works in partnership with JICA.
Research and Joint Master and PHD Programms in Mathematics and Related Sciences (IMCA – IMBA)
Research in Gas and Petroleum
UNIPETRO - IPEGA
UNI Wastewater Treatment Plant For Reuse
INSTITUTIONAL ENDEAVOURS AND THEIRS SUSTAINABILITY

- Resources are scarce and unstable
- We have to develop creative ways of managing resources
- We should produce a multiplier effect

Internationalization as a continuous process