

OUR LOCAL AND WORLDWIDE NETWORKS

Worldwide Networks

Universities exist to create new knowledge through research and discovery and to pass on knowledge to the next generation. It is also the duty of every university to prepare its students to become engaged and contributing citizens. In the 21st century, this task takes on a new meaning. The great compression of our world — a consequence of the spread of technology and information, the interdependence of economies, the transnational nature of major human challenges, and an increasing embrace of diversity. We **have seen** evidence of the emergence of a set of global "idea capitals," magnets for talents and creativity.

New technology is critical to the industrial corporations' competitiveness. Companies can develop their technical capabilities and products either based on internal research and development (R&D) or outsourcing. Although it remains necessary to build own internal R&D capacity, the external sources of technologies have become more and more important. To develop technologies externally can be conducted in several ways, including inter-firm cooperation, industry-research institution cooperation, and university-industry cooperation. Among them, the university-industry cooperation has been considered a top issue by many scholars regarding national competitiveness.

In 2011, UTM-FKA has spread its wings to establish networking at both national and international levels. Through technical visits, Global Outreach Programmes and other academic based activities, the faculty management and staff have established strong linkages with universities and industries of the world, as listed in Tables 8.1 and 8.2.

Facts and Figures

**28 existing International Linkages
with Universities and Industries**

**19 existing National Linkages
with Universities and Industries**

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International Linkages

In 2011, the faculty members have visited or being visited by 19 universities and 5 international company and associations from overseas. Through the Global Outreach programme, both the academic staff and students from UTM-FKA are able to have some exchange of knowledge and culture with peoples from different countries. Several MOU and MOA were signed between UTM-FKA with our counterparts during these visits. Another fruitful outcome from these visits would be establishing several research collaborations with the Universities, companies and associations, for example, with the Takeda Pharmaceutical Company Limited and Tajimi Construction Association, in Japan.

Our International Linkage

No.	Institution
1	Islamic University of Uganda
2	Indian Institute of Technology Madras
3	Universitas Islam Sultan Agung (UNISSULA)
4	Institut Teknologi Sepuluh Nopember
5	Uni Deponegoro
6	Universitas TriSakti
7	Institut Teknologi Bandung
8	National Taiwan University (NTU)
9	National Chiao Tung University (NCTU)
10	Feng Chia University (FCU)
11	National Cheng Kung University (NCKU)
12	Istanbul University
13	Istanbul Civilization University
14	Yildiz Technical University
15	Yalova University
16	Peking University
17	Hong Kong University
18	Institute of Technology Cambodia
19	Loughborough University
20	National University of Singapore
21	Nanyang Technological University
22	The University of Queensland Australia
23	United Nations Educational, Scientific and Cultural Organization
24	Takeda Pharmaceutical Company Limited
25	Tajimi Construction Association
26	European Commission

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Local Linkages

At national level, UTM has been one of the top universities in Malaysia that is always benchmarked by others. In 2011, UTM-FKA has been visited by 7 local universities, 7 government agencies and other institutions for that purpose. In developing new technology and solving problems for local industries, the faculty members have established 6 research projects with local industries, such as, Petronas Carigali Sdn. Bhd. and Indah Water Konsortium Sdn. Bhd.

Our National Linkage

No.	Institution
1	Universiti Kebangsaan Malaysia
2	Pusat Pengajian Perumahan, Bangunan & Perancangan, Universiti Sains Malaysia
3	Politeknik Ungku Omar
4	Universiti Malaysia Sabah
5	Universiti Teknologi Mara
6	Universiti Teknologi Petronas
7	Institut Kemahiran Belia Negara
8	CREAM – CIDB
9	Lembaga Lebuhraya Malaysia
10	Jabatan Perikanan Malaysia
11	Pusat Promosi Perkayuan Malaysia
12	Woodsfield Timber Industry
13	Petronas Carigali Sdn Bhd
14	Indah Water Konsortium Sdn Bhd
15	SAJ Holding Sdn Bhd
16	Federal University of Technology
17	Schaefer International Sdn Bhd
18	College Community Bandar Penawar