



DEPARTMENT OF HYDRAULICS AND HYDROLOGY

The Department currently has 30 academic teaching staffs and 8 technical staff. A unique feature is the close link with the industry and public bodies, which is integral to the department's approach to research, education and knowledge exchange. The department is closely involved with several prominent local water industries, water resource related organisations and universities worldwide through academic links and consultancy projects. The civil engineering profession particularly water resource engineering is evolving to meet the new challenges faced by society including planning and management of water resources and creating a sustainable future for all.

The main scientific areas dealt with the Department related to both the qualitative and quantitative aspects of the river basin, urban watershed, agricultural watershed, rural watershed, estuary, climate and coastal environment and the related water engineering works. The academic

staffs of the Department are responsible a total of 18 courses of the Civil Engineering curriculum, some of which are addressed to all the undergraduate students of the Faculty and others to those who follow the Master in Hydraulics and Hydrology programme by taught course. The staffs also supervise final-year students carrying out professional design project and undergraduate theses, postgraduates theses as well as PhD dissertations.

The Department actively pursues innovative and significant research to address the challenges for water resource engineering in the 21st century, such as environmental hydraulics, climate change, flood management, dam break modelling, rainwater harvesting, coastal peat hydrology, coastal engineering, tsunami modelling and forest hydrology. The Department aims to deliver scientific break through that will lead to solutions by establishing several research groups under the umbrella of the water



Research Alliance. In addition, three of the department staffs serve as leaders of water research alliance and the National Oceanography Directorate. Numerous publications by the department staffs are listed in the publication section. The

Department staffs are also actively involved in various consultancy works led by the Centre of Excellence, IPASA and IKPLP. The details of consultancy works are presented in consultancy section.

Department successfully organised short courses, meetings, seminar and colloquiums in 2010 and the events are illustrated in the table below :

COLLOQUIUM

NO.	ACTIVITIES	DATE	VENUE
1	Colloquium "Water Resources Research At Imperial College, London" By Dr. Neil McIntyre (Imperial College)	31 March 2010	Seminar Room-223 M46 FKA
2	Colloquium "Water Resources Modeling" By Assoc. Prof Dr. Md. Hazrat Ali	23 June 2010	Lecture Room 107-01, Block D01 Laboratory of Hydraulics & Hydrology FKA
3	Colloquium Professor Norio Tase Professor in Environmental Hydrology Tsukuba University "Dynamics of Nitrate in Typical Small Valleys in Japan - Conditions for Hot Spots and Hot Paths -"	24 September 2010	Seminar Room-223 M46 FKA

COURSES

NO.	ACTIVITIES	DATE	VENUE
1	Introductory Course on InfoworksRS	9-10 August 2010	Block D01 Laboratory of Hydraulics & Hydrology FKA
2	Course on LINGO Application	28 July 2010	Bilik Pandang Dengar M46

MEETINGS

NO.	ACTIVITIES	DATE	VENUE
1	Co-operation Meeting between UTM- Industry and Department of Hydraulics & Hydrology, FKA and NAHRIM	15 July 2010	Meeting Room Laboratory of Hydraulics & Hydrology FKA
2	Perbincangan Penyelidikan Kerjasama Antara Fakulti Kejuruteraan Awam dan HR Wallington United Kingdom	25 October 2010	Meeting Room Laboratory of Hydraulics & Hydrology FKA

VISITS

NO.	ACTIVITIES	DATE	VENUE
1	A Visit to Office of MADA by Assoc. Prof. Dr Sobri Harun (UTM) dan ; Professor Van Thanh Van Nguyen (McGill University, Montreal, Canada)	10 August 2010	Meeting Room Laboratory of Hydraulics & Hydrology FKA

