

Erasmus Mundus Action 2 – Strand 1/ Lot L04

PROJECT SUMMARY SHEET

Project title		LEADERS - Leading Mobility between Europe and Asia in Developing Engineering Education and Research	
Ref	551411	Name of organisation	Country
Applicant		THE CITY UNIVERSITY	United Kingdom
Co-coordinator		UNITED INTERNATIONAL UNIVERSITY, BANGLADESH	
<p>Partners:</p> <p><u>BANGKOK UNIVERSITY, THAILAND</u></p> <p><u>BANGLADESG UNIVERSITY OF ENGINEERING & TECHNOLOGY, BANGLADESH</u></p> <p><u>CALCUTTA UNIVERSITY, INDIA</u></p> <p><u>COLLEGE OF SCIENCE AND TECHNOLOGY, ROYAL UNIVERSITY OF BHUTAN, BHUTAN</u></p> <p><u>INFORMATION AND COMMUNICATION TECHNOLOGY INSTITUTE, AFGHANISTAN</u></p> <p><u>KATHMANDU UNIVERSITY, NEPAL</u></p> <p><u>KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY (KUET), BANGLADESH</u></p> <p><u>MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY, PAKISTAN</u></p> <p><u>MESOKELEAS LTD (FREDERICK UNIVERSITY), CYPRUS</u></p> <p><u>NATIONAL UNIVERSITY OF SCIENCES & TECHNOLOGY PAKISTAN, PAKISTAN</u></p> <p><u>POLITECNICO DI MILANO, ITALIA</u></p> <p><u>SHANGHAI JIAO TONG UNIVERSITY, CHINA</u></p> <p><u>TECHNISCHE UNIVERSITAET DORTMUND, DEUTSCHLAND</u></p> <p><u>UNIVERSIDADE DO PORTO, PORTUGAL</u></p> <p><u>UNIVERSITAS PELITA HARAPAN, INDONESIA</u></p> <p><u>UNIVERSITI TELEKOM SDN BHD, MALAYSIA</u></p> <p><u>UNIVERSITY OF LIMERICK, IRELAND</u></p> <p><u>UNIVERSITY OF ORADEA, ROMANIA</u></p> <p>Associate partners:</p> <p><u>KABUL UNIVERSITY, AFGHANISTAN</u></p> <p><u>MILITARY INSTITUTE OF SCIENCE AND TECHNOLOGY, BANGLADESH</u></p>			
Amount requested (EUR)		€ 2.702.050	
Legal Representative (e.g. Rector)	Full name	Prof. Stanton NEWMAN	
	Official address	Northampton Square EC1V0HB - LONDON	
	Tel/fax	+44 (0)20 7040 5829	
	E-mail	stanton.newman.1@city.ac.uk	

Project contact person e.g. project co-ordinator	Full name	B M Azizur Rahman
	Postal address	Northampton Square EC1V0HB - LONDON
	Tel/fax	+44 20 7040 8123
	E-mail	B.M.A.Rahman@city.ac.uk
	<p>Brief description:</p> <p>This proposed project is to provide a quality international experience through the mobility of students and early stage and established researchers between Europe and Asia, with the objective of widening existing knowledge on electronics, energy, computing, sustainability and security of electronic communications systems, rational use of communications resources in the global market place, etc. A key feature will be the engagement of the Energy, ICT and Computing sectors in the project implementation, development of and possible hosting of research activities for participants. The project has been designed to deliver key benefits that are underpinned by the following strategic goals:</p> <ul style="list-style-type: none"> • Undergraduate students carrying out 6-months study combined with individual research projects with their attachment to the best research laboratories in the EU universities. • Shared post-graduate individual project supervision in the areas of Electrical Electronic Engineering, Information Technology, Energy Managements, Computer Engineering, Telecommunications and Biomedical Engineering. • Training of high quality doctoral engineering candidates who have been exposed to complementary and multidisciplinary engineering training experience in an international environment; in the areas like, nanotechnology, photonics, digital security, biomedical engineering, renewable energy, power system managements, etc. • Early career researchers who have acquired specialist knowledge in the area of novel technology in Energy, ICT and Computing sectors, and are fully equipped to apply this knowledge directly to a career in research and/or industry in a breadth of fields both nationally and multilaterally • Staff who have enhanced teaching and research experience and development their experiences in the PhD supervision through initial joint PhD supervision, and through participation in, and contribution to, a well organized and structured programme of multilateral exchange between the partners. 	

Mobility flow:

Type of Mobility	Outgoing		Third country	Incoming			TOTAL	Distribution per mobility type
	Europeans			Third-Country nationals				
	Target Group 1	Target Group 2		Target Group 1	Target Group 2	Target Group 3		
Undergraduates			Bangladesh Pakistan Nepal Bhutan Afghanistan India China	6 4 3 3 3 2 2		1 1	25	20%
Masters			Bangladesh Pakistan Nepal Bhutan Afghanistan India China Malaysia Indonesia Thailand	3 3 2 1 1 2 1 1 1 1	1 1	1 1	20	16%
Doctorates	3		Bangladesh Pakistan Nepal Bhutan Afghanistan India China Malaysia Indonesia Thailand	4 3 2 1 1 4 3 2 2 2	2 1 1 1	1 1	34	27.2%
Post-doctorates	2		India China	1 1	2 1		7	5.6%
Academic staff	15		Bangladesh Pakistan Nepal Bhutan Afghanistan India China	4 4 2 2 2 2 2				

			Malaysia Indonesia Thailand	2 2 2				
TOTAL	20			89	12	4	125	100%

Third country	Undergraduates	Masters	Doctorates	Post- doctorates	Staff	TOTAL
Bangladesh	7	5	6		4	22
Pakistan	5	5	4		4	18
Nepal	3	2	3		2	10
Bhutan	3	1	2		2	8
Afghanistan	3	1	1		2	7
India	2	2	5	3	2	14
China	2	1	4	2	2	11
Malaysia		1	2		2	5
Indonesia		1	2		2	5
Thailand		1	2		2	5
TOTAL	25	20	31	5	24	105