



Co-funded by the
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The teachers and researchers of leading Mongolian universities in conjunction with 4 European universities are developing online courses within the framework of an EU funded CBHE project – Euro-Mongolian Cooperation for Modernisation of Engineering Education (EUMong).

The courses will target MSc degree students and some courses – BSc students.

In order to meet the industry employment needs and the needs of academic researchers in the field of industrial automation and help to provide future students with the most relevant skills and competencies in this field, please fill the following short survey.

Please, have a look at the different course proposals described at the end of this document and fill the questionnaire.

Your opinion is very important to us and we will do our best to meet your expectations.

Thank you.

Your position (check 1 row):

HR Officer	
Process Engineer	
Design Engineer	
Project Leader	
Manager	
Other	

In your opinion, what are the needs for the industry in the following domains, on a short term point of view (within 3 years):

/Таны бодлоор дараах салбар хэсгүүдээс таны үйлдвэрлэлийн салбарт ямар хэрэгцээ байгаа талаар тодорхойлно уу (ойрын үед – 3 жилийн дотор)/

	None /Байхгүй/	Low /Бага/	Average /Дундаж/	High /Их/	Mandatory /Зайлшгүй/
Fundamentals					
Automatic control for industrial process and modelling					
Programmable logic controllers					
Instrumentation, control and automation					
Control and data acquisition system, HMI					
Digital signal processing					
Theory of digital automat					
Research methods for power system					
Industrial motor control					
Technology					
Computer based control system					
Real time operation system					
Industrial electric supply					
Image processing and its industrial application					
Mechatronic system					
Mechanical and material systems					
Manufacturing and management systems					
Design					
Digital electronics design					
Sensor design					
Digital filter design					
Analogy filter design					
Modelling for engineering science					
Advanced					
Advanced process control					
Advanced course of programmable logic controllers					
Advanced course of power electronics					
Industrial robots and manipulators					
Mobile robots					
Application					
Engineering practice and key research methods					
Patent study					
Research seminar					
English					
Other (specify, please)					
Other (specify, please)					

In your opinion, what are the needs for the industry in the following domains, on a long term point of view (more than 3 years) :

/Таны бодлоор дараах салбар хэсгүүдээс таны үйлдвэрлэлийн салбарт ямар хэрэгцээ байгаа талаар тодорхойлно уу (урт хугацаанд – 3 жилээс дээш)/

	None /Байхгүй/	Low /Бара/	Average /Дундаж/	High /Их/	Mandatory /Зайлшгүй/
Automatic control for industrial process and modelling					
Programmable logic controllers					
Instrumentation, control and automation					
Control and data acquisition system, HMI					
Digital signal processing					
Theory of digital automat					
Research methods for power system					
Industrial motor control					
Computer based control system					
Real time operation system					
Industrial electric supply					
Image processing and its industrial application					
Mechatronic system					
Mechanical and material systems					
Manufacturing and management systems					
Digital electronics design					
Sensor design					
Digital filter design					
Analogy filter design					
Modelling for engineering science					
Advanced process control					
Advanced course of programmable logic controllers					
Advanced course of power electronics					
Industrial robots and manipulators					
Mobile robots					
Engineering practice and key research methods					
Patent study					
Research seminar					
English					
Other (specify, please)					
Other (specify, please)					

What would be the skill level you expect to find among your employees/ students. /Ажилчид/оюутнуудаас таны хүлээж байгаа ур чадварын түвшинг та юу гэж тодорхойлох вэ?/
You may give a ratio for each topic, i.e. None 50%, Basic 30%, Advanced 15%, Expert 5%., or just check one column (will be considered as 100%) /Сэдэв тус бүрийн харьцааг өгч болно. Жишээлбэл: үгүй 50%, үндсэн мэдлэг 30%, ахисан түвшин 15%, шинжээч 5% (бүгд 100% гэж тооцож болно)/

	None /Үгүй/	Basic knowledge /Үндсэн мэдлэг/	Advanced knowledge /Ахисан түвшиний мэдлэг/	Expert /Шинжээч/
Automatic control for industrial process and modelling				
Programmable logic controllers				
Instrumentation, control and automation				
Control and data acquisition system, HMI				
Digital signal processing				
Theory of digital automat				
Research methods for power system				
Industrial motor control				
Computer based control system				
Real time operation system				
Industrial electric supply				
Image processing and its industrial application				
Mechatronic system				
Mechanical and material systems				
Manufacturing and management systems				
Digital electronics design				
Sensor design				
Digital filter design				
Analogy filter design				
Modelling for engineering science				
Advanced process control				
Advanced course of programmable logic controllers				
Advanced course of power electronics				
Industrial robots and manipulators				
Mobile robots				
Engineering practice and key research methods				
Patent study				
Research seminar				
English				
Other (specify, please)				
Other (specify, please)				