



Project "Education & Training for Automation 4.0 in Thailand" No.610154-EPP-1-2019-1-DE-EPPKA2-CBHE-JP



KING MONGKUT'S UNIVERSITY OF TECHNOLOGY NORTH BANGKOK
and
BURAPHA UNIVERSITY

ETAT training for the trainers

every **16:30 – 20:30 (UTC+7)** on

16, 21 December 2021 (Faculty of Informatics, BUU)
22 – 23 December 2021 (Faculty of Informatics, BUU)
24 – 25 January 2022 (Faculty of Informatics, BUU)



<https://forms.gle/1qBwwYG9uJVQnzYQ6>

Please register to get the virtual meeting links
and training documents for each topic

Agenda

TOPIC: Introduction to PLCnext

DAY 1: Thursday, 16th December 2021

Time (UTC+7)	Task description	Responsible
16:30 – 18:00	Welcome/Registration <ul style="list-style-type: none">• Introduction to PLCnext (Basics of PLCnext hardware and software)	All participants Ch. Madritsch (Moderator) S. Kumpakeaw
18:00 – 18:30	Coffee break	
18:30 – 20:00	Workshop (1/2) <ul style="list-style-type: none">• Project planning/ discussion• Exercise explanation	Ch. Madritsch (Assist.) S. Kumpakeaw/ P. Jitngernmadan
20:00 – 20:30	Q & A	All participants

DAY 2: Tuesday, 21st December 2021

Time (UTC+7)	Task description	Responsible
16:30 – 18:00	Welcome/Registration <ul style="list-style-type: none">• Introduction to PLCnext (Basics of PLCnext programming)	All participants Ch. Madritsch (Moderator) S. Kumpakeaw
18:00 – 18:30	Coffee break	
18:30 – 20:00	Workshop (2/2) <ul style="list-style-type: none">• Exercise discussion• Programming of sample tasks using IEC 61131-3 programming languages	Ch. Madritsch (Assist.) S. Kumpakeaw/ P. Jitngernmadan
20:00 – 20:30	Q & A	All participants

Contact persons:

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TOPIC: Global networking with PLCnext

DAY 1: Wednesday, 22nd December 2021

Time (UTC+7)	Task description	Responsible
16:30 – 18:00	Welcome/Registration <ul style="list-style-type: none">• Introduction to OPC UA	All participants R. Langmann (Moderator) S. Kumpakeaw
18:00 – 18:30	Coffee break	
18:30 – 20:00	Workshop (1/2) <ul style="list-style-type: none">• Project planning• Configuration of OPC UA with PLCnext	R. Langmann (Assist.) S. Kumpakeaw/ P. Jitngernmadan
20:00 – 20:30	Q & A	All participants

DAY 2: Thursday, 23rd December 2021

Time (UTC+7)	Task description	Responsible
16:30 – 18:00	Welcome/Registration <ul style="list-style-type: none">• Introduction to MQTT	All participants R. Langmann (Moderator) S. Kumpakeaw
18:00 – 18:30	Coffee break	
18:30 – 20:00	Workshop (2/2) <ul style="list-style-type: none">• Configuration of OPC UA with MQTT	R. Langmann (Assist.) S.Kumpakeaw/ P. Jitngernmadan
20:00 – 20:30	Q & A	All participants

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TOPIC: Man-machine Communication with the PLCnext

DAY 1: Monday, 24th January 2022

Time (UTC+7)	Task description	Responsible
16:30 – 18:00	Welcome/Registration <ul style="list-style-type: none">Introduction to Man-machine communication with PLCnext (1/2)	All participants F. Mateos (Moderator) S. Kumpakeaw
18:00 – 18:30	Coffee break	
18:30 – 20:00	Workshop (1/2) <ul style="list-style-type: none">Project planningConfiguration of HMI with the PLCnext	F. Mateos (Assist.) S. Kumpakeaw/ P. Jitngernmadan
20:00 – 20:30	Q & A	All participants

DAY 2: Tuesday, 25th January 2022

Time (UTC+7)	Task description	Responsible
16:30 – 18:00	Welcome/Registration <ul style="list-style-type: none">Introduction to Man-machine communication with PLCnext (2/2)	All participants F. Mateos (Moderator) S. Kumpakeaw
18:00 – 18:30	Coffee break	
18:30 – 20:00	Workshop (2/2) <ul style="list-style-type: none">Implementation of operator interfaces (HMI examples)	F. Mateos (Assist.) S. Kumpakeaw/ P. Jitngernmadan
20:00 – 20:30	Q & A	All participants

Contact persons:

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