

**Soft skills and moral qualities integrate curriculum through Extra activities such as special subject, union activities, social activities. These activities can be checked, improved and reinforced. Internal and external activities are organized in curriculum and coordinated closely to supply students different learning environment (classes, enterprises, social lives,...)**

**Desired matrix for Extra curriculum activities**

	Extra curriculum activities				
	Seminars	Union activities	Social activities	Extra activities in class	Extra activities at enterprises, social lives
ELO 1: Apply fundamental knowledge of mathematics, natural science and social science; achieve more specialized knowledge and study further at higher levels.					
ELO 2: Construct the basis of core technological knowledge about Power System and Automatic Electric Drive.					
ELO 3: Create the combination of advanced specialized knowledge in the fields of Power System					
ELO 4: Analyze and conduct technical reasoning	X	X	X	X	X
ELO 5: Examine and experiment electrical and electronic matters.					X
ELO 6: Implement proficiently professional skills in the electrical and electronic field.					X
ELO 7: Work independently; lead and work in a team.		X	X	X	X
ELO 8: Communicate effectively in various methods: written communication, electronics communication, graphics and presentation.	X	X	X	X	X
ELO 9: Use English in communication.	X	X	X	X	X
ELO 10: Realize the roles and responsibility of engineers and social circumstance, which has impacts on the technical activities of electrical and electronics industry.	X	X	X	X	X
ELO 11: Comprehend business culture, work ethics principles, and working style of industrial organizations.		X	X		X
ELO 12: Be aware of life-long learning.	X	X	X	X	X
ELO 13: Take shapes of ideas, set up requirements, and determine functions and elements of the Power System, Power Supply System, Renewable Energy, Power Saving, Electric Machines, and Automatic Electric Drive.	X	X		X	X

ELO 14: Design required elements of the Power System, Power Supply System, Renewable Energy, Power Saving, Electric Machines, and Automatic Electric Drive.	<b>X</b>				<b>X</b>
ELO 15: Implement hardware and software for elements of small Power System, Power Supply System integrated with recycled power with consideration to Power Saving and Automatic Electric Drive.					<b>X</b>
ELO 16: Operate Power System, Power Supply System, and Automatic Electric Drive systems; manage the operation of the electrical and electronic systems					<b>X</b>