ANNEX I: Curricula of Phase in Japan

			Subjects		ı ANNEX IV					
Outputs	Category	Seismology group	Earthquake Engineering	Tsunami Disaster	Methodology Lecture					
			group	Mitigation group						
(1)		(S group)	(E group)	(T group)						
(1) To acquire		Information Tashnalogy	Orientation							
	Basic Subjects Related with Earthquake and Disasters	Information Technology Related with Earthquakes	Structural Analysis	Information Technology related with Earthquakes	Lecture, Practice and Seminar					
		and Disasters		and Disasters						
		Earthquake	Ground Vibration and	Earthquake						
		Phenomenology	Structural Dynamics	Phenomenology						
		Thenomenology	Structurar D ynamies	i nenomenology						
	Advanced Subjects Related with Earthquake and Disasters	Earthquake Circumstance	Seismic Structures	Earthquake Circumstance	Lecture, Practice and Seminar					
		Characteristics of	Seismic Evaluation and	Theory of Tsunami						
		Earthquake Disasters	Seismic Design Code							
		Special Topics (S)	Special Topics (E)	Special Topics (T)						
(2) To acquire	Farthquake/	Earthquake Hazard Assess	nent A	Tsunami Hazard	Lecture,					
basic	Earthquake/ Tsunami Hazard and Risk	Laruiquake Hazaru Assessi	nent A	Assessment	Practice and Seminar					
		Earthquake Hazard	Earthquake Risk							
theories	Assessment	Assessment B	Assessment	roundin Counternicusures	Semma					
(detail)	71350351110111									
(3) To	Case Studies	Practice for Earthquake Dis	aster - Recovery Managemer	nt Policy I, II	Lecture,					
understand		Practice for Earthquake Dis		Practice for Tsunami	Practice,					
new		Management Policy III	-	Disaster Mitigation Policy	Seminar and					
countermeasu					Presentation					
res										
(4) To	Individual Study	Men	Menu for the topics of Individual Study							
complete a		- Determination of	- Nonlinear Earthquake	- Tsunami Simulations:	Seminar and Presentation					
research		Earthquake Source	Response Analysis and	Propagation and						
report		Parameters	Damage Prediction	Inundation						
		- Earthquake Source	- Seismic Isolation and	- Tsunami Source						
		Process	Response Control Techniques	Modeling due to						
				Earthquake and						
				Landslide						
		- Seismotectonics (e.g.,	- Seismic Performance -	- Tsunami Hazard						
		Stress field estimation,	Based Design	Assessment from						
		seismicity analysis)		Tsunami Simulations	-					
						- Earthquake Generation and Forecasting	- Seismic Evaluation and Retrofitting Techniques of	- Tsunami Risk Assessment		
		Course and University Manuals	Existing structures							
		- Crust and Upper Mantle	- Post - Earthquake Damage Inspection and	- Tsunami Database for						
			Damage Inspection and Damage Classification	Tsunami Early Warning System (TEWS)						
								etc.		•
				- Site Effect Studies using		- System Identification and	- Rapid Determination of			
			- Site Effect Studies using Strong Ground Motion	- System Identification and Health Monitoring		Earthquake Parameters				
		- Site Effect Studies using Strong Ground Motion Records	Health Monitoring	Earthquake Parameters for TEWS						
		 Site Effect Studies using Strong Ground Motion Records Geophysical Prospecting 	Health Monitoring - Effects of Surface	Earthquake Parameters for TEWS - Real Time Usage of						
		 Site Effect Studies using Strong Ground Motion Records Geophysical Prospecting using Microtremors and 	Health Monitoring - Effects of Surface Geology and Soil -	Earthquake Parameters for TEWS - Real Time Usage of Observed Tsunami Data						
		 Site Effect Studies using Strong Ground Motion Records Geophysical Prospecting using Microtremors and Surface Waves 	Health Monitoring - Effects of Surface Geology and Soil - Structure Interaction	Earthquake Parameters for TEWS - Real Time Usage of Observed Tsunami Data for TEWS						
		 Site Effect Studies using Strong Ground Motion Records Geophysical Prospecting using Microtremors and <u>Surface Waves</u> Strong Ground Motion 	Health Monitoring - Effects of Surface Geology and Soil - <u>Structure Interaction</u> - Geotechnical	Earthquake Parameters for TEWS - Real Time Usage of Observed Tsunami Data						
		 Site Effect Studies using Strong Ground Motion Records Geophysical Prospecting using Microtremors and Surface Waves 	Health Monitoring - Effects of Surface Geology and Soil - <u>Structure Interaction</u> - Geotechnical Engineering and	Earthquake Parameters for TEWS - Real Time Usage of Observed Tsunami Data for TEWS						
		 Site Effect Studies using Strong Ground Motion Records Geophysical Prospecting using Microtremors and <u>Surface Waves</u> Strong Ground Motion Simulation 	Health Monitoring - Effects of Surface Geology and Soil - <u>Structure Interaction</u> - Geotechnical Engineering and Foundation Structures	Earthquake Parameters for TEWS - Real Time Usage of Observed Tsunami Data for TEWS - Tsunami Earthquakes						
		 Site Effect Studies using Strong Ground Motion Records Geophysical Prospecting using Microtremors and <u>Surface Waves</u> Strong Ground Motion Simulation Earthquake Early 	Health Monitoring - Effects of Surface Geology and Soil - Structure Interaction - Geotechnical Engineering and Foundation Structures - Others (e.g. Strategies for	Earthquake Parameters for TEWS - Real Time Usage of Observed Tsunami Data for TEWS - Tsunami Earthquakes - Others (e.g. Tsunami						
		 Site Effect Studies using Strong Ground Motion Records Geophysical Prospecting using Microtremors and <u>Surface Waves</u> Strong Ground Motion Simulation 	Health Monitoring - Effects of Surface Geology and Soil - <u>Structure Interaction</u> - Geotechnical Engineering and Foundation Structures - Others (e.g. Strategies for Earthquake Disaster	Earthquake Parameters for TEWS - Real Time Usage of Observed Tsunami Data for TEWS - Tsunami Earthquakes						
		 Site Effect Studies using Strong Ground Motion Records Geophysical Prospecting using Microtremors and <u>Surface Waves</u> Strong Ground Motion Simulation Earthquake Early Warning 	Health Monitoring - Effects of Surface Geology and Soil - Structure Interaction - Geotechnical Engineering and Foundation Structures - Others (e.g. Strategies for	Earthquake Parameters for TEWS - Real Time Usage of Observed Tsunami Data for TEWS - Tsunami Earthquakes - Others (e.g. Tsunami						
		 Site Effect Studies using Strong Ground Motion Records Geophysical Prospecting using Microtremors and <u>Surface Waves</u> Strong Ground Motion Simulation Earthquake Early Warning Others (e.g., Crustal 	Health Monitoring - Effects of Surface Geology and Soil - <u>Structure Interaction</u> - Geotechnical Engineering and Foundation Structures - Others (e.g. Strategies for Earthquake Disaster	Earthquake Parameters for TEWS - Real Time Usage of Observed Tsunami Data for TEWS - Tsunami Earthquakes - Others (e.g. Tsunami						
		 Site Effect Studies using Strong Ground Motion Records Geophysical Prospecting using Microtremors and <u>Surface Waves</u> Strong Ground Motion Simulation Earthquake Early Warning Others (e.g., Crustal Deformation, Volcano 	Health Monitoring - Effects of Surface Geology and Soil - <u>Structure Interaction</u> - Geotechnical Engineering and Foundation Structures - Others (e.g. Strategies for Earthquake Disaster	Earthquake Parameters for TEWS - Real Time Usage of Observed Tsunami Data for TEWS - Tsunami Earthquakes - Others (e.g. Tsunami						
	Director	 Site Effect Studies using Strong Ground Motion Records Geophysical Prospecting using Microtremors and Surface Waves Strong Ground Motion Simulation Earthquake Early Warning Others (e.g., Crustal Deformation, Volcano Seismology) 	Health Monitoring - Effects of Surface Geology and Soil - <u>Structure Interaction</u> - Geotechnical Engineering and Foundation Structures - Others (e.g. Strategies for Earthquake Disaster Mitigation)	Earthquake Parameters for TEWS - Real Time Usage of Observed Tsunami Data for TEWS - Tsunami Earthquakes - Others (e.g. Tsunami Evacuation Planning)	Den sé					
(5)(for Master Program)	Disaster Management	 Site Effect Studies using Strong Ground Motion Records Geophysical Prospecting using Microtremors and Surface Waves Strong Ground Motion Simulation Earthquake Early Warning Others (e.g., Crustal Deformation, Volcano Seismology) Disaster Management Polic 	Health Monitoring - Effects of Surface Geology and Soil - <u>Structure Interaction</u> - Geotechnical Engineering and Foundation Structures - Others (e.g. Strategies for Earthquake Disaster	Earthquake Parameters for TEWS - Real Time Usage of Observed Tsunami Data for TEWS - Tsunami Earthquakes - Others (e.g. Tsunami Evacuation Planning)	Practice, Seminar and					

* It is mandatory for the applicants to select one of the topics listed in this table and to write it explicitly in the face page of Inception Report. For those who select '-Others', it is mandatory to describe a concrete plan of Individual Study including the expected supervisor's name and affiliation.