ANNEX I: Curricula of Phase in Japan

			Subjects		
0		G' 1	Earthquake Engineering	Tsunami Disaster	Ma41 1 1
Outputs	Category	Seismology group	group	Mitigation group	Methodology
		(S group)	(E group)	(T group)	
(1) To acquire	Orientation	Orientation			Lecture
basic	Basic Subjects Related with Earthquake and Disasters	Information Technology	Structural Analysis	Information Technology	Lecture, Practice and Seminar
		Related with Earthquakes		related with Earthquakes	
		and Disasters		and Disasters	
		Earthquake	Ground Vibration and	Earthquake	
		Phenomenology	Structural Dynamics	Phenomenology	
	Advanced Subjects Related with Earthquake and Disasters	Earthquake Circumstance	Seismic Structures	Earthquake Circumstance	Lecture, Practice and Seminar
		Characteristics of Earthquake Disasters	Seismic Evaluation and Seismic Design Code	Theory of Tsunami	
		Special Topics (S)	Special Topics (E)	Special Topics (T)	
(2) To acquire	-	Earthquake Hazard Assess	ment A	Tsunami Hazard	Lecture,
basic	Tsunami Hazard	Forthquaka Uazard	Forthquelzo Dielz	Assessment Tsunami Countermeasures	Practice and
concepts and theories	and Risk Assessment	Earthquake Hazard Assessment B	Earthquake Risk Assessment	I sunami Countermeasures	Seminar
detail) 3) To	Case Studies	Practice for Earthquake Dis	aster - Recovery Managemen	nt Policy I II	Lecture,
understand	Sube Studies	Practice for Earthquake Dis		Practice for Tsunami	Practice,
new		Management Policy III		Disaster Mitigation Policy	Seminar and
countermeasu res	ermeasu	ivialitagement i oney in		Disuster Willgutton Folley	Presentation
(4) To	Individual Study	Men	u for the topics of Individual	Study	Practice,
complete a		- Determination of	- Nonlinear Earthquake	- Tsunami Simulations:	Seminar and
research		Earthquake Source	Response Analysis and	Propagation and	Presentation
report		Parameters	Damage Prediction	Inundation	
		- Earthquake Source	- Seismic Isolation and	- Tsunami Source	
		Process	Response Control	Modeling due to	
		1700055	Techniques	0	
			rechniques	Earthquake and Landslide	
		- Seismotectonics	- Seismic Performance -	- Tsunami Hazard	
			Based Design	Assessment from	
				Tsunami Simulations	g of u
		- Earthquake Generation	- Seismic Evaluation and	- Tsunami Risk	
		and Forecasting	Retrofitting Techniques of	Assessment	
			Existing structures		
		- Crust and Upper Mantle	- Post - Earthquake	- Tsunami Database for	
		Structure Determination	Damage Inspection and	Tsunami Early Warning	
		using Seismic	Damage Classification	System (TEWS)	
		Tomography, Receiver			
		Function, etc.			
		- Site Effect Studies using	- System Identification and	- Rapid Determination of	
		Strong Ground Motion	Health Monitoring	Earthquake Parameters	
		Records		for TEWS	
		- Geophysical Prospecting		- Real Time Usage of	
		using Microtremors and	Geology and Soil -	Observed Tsunami Data	
		Surface Waves	Structure Interaction	for TEWS	
		- Strong Ground Motion	- Geotechnical	- Tsunami Earthquakes	
		Simulation	Engineering and Foundation Structures		
		- Earthquake Early Warning	- Others (e.g. Strategies for Earthquake Disaster Mitigation)	- Others (e.g. Tsunami Evacuation Planning)	
		- Others (e.g., Crustal Deformation, Volcano Seismology)			
(5)(for Master	Disaster		cies A: from Regional and Inf	rastructure Aspect	Practice,
	Managamant				
Program)	Management	Disaster Management Polic	ges B. from Urban and Com	munity Aspect	Seminar an

* 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.