

Sub-Program	Administrative Capacity Development
Component	3. Enhancement of Capacity for Urban and Regional Development Planning and Policy
Objective	Building capacity of administrative officials and other staff involved in making and implementing policies associated with urban and regional development and building capacity of administrative officials/staffs of Executing Agencies involved in making and implementing development projects
Possible Fields of Study	<ul style="list-style-type: none"> - Urban Planning /Policy - Regional Development Planning / Policy - Agriculture/Rural Development Planning /Policy - Local Governance / Local Autonomous - Disaster Risk Reduction Management / Policy <p>✗For more specific details, please refer to “Expected Theme of Research” on the next page and university information (“Accepting University”) on JDS Website.</p>
Accepting University (Number of Scholars)	<p>University of Tsukuba (4) Graduate School of Science and Technology Master’s Program in Environmental Sciences (SUSTEP Program) - Master of Environmental Sciences</p> <p>Yokohama National University (2) Graduate School of Urban Innovation Department of Infrastructure and Urban Society, Specialization in International Infrastructure (IGSI) - Master of Engineering - Master of Philosophy</p> <p>Hiroshima University (4) (1) GS of Advanced Science and Engineering (2) GS of Humanities and Social Sciences (1) Division of Advanced Science and Engineering, Transdisciplinary Science and Engineering Program - Master of Philosophy - Master of Engineering - Master of International Cooperation Studies (2) Division of Humanities and Social Sciences, International Economic Development Program - Master of Philosophy - Master of International Cooperation Studies</p>
Target Organizations	BCS Cadre Officials (All Ministries)
Background:	
<p>Bangladesh, in the midst of drastic economic growth for more than past 10 years, is facing of deterioration of urban environment due to the unplanned development and lack of infrastructure in the core cities caused by lack of Masterplan and related law and regulation.</p> <p>In addition, there has been a disparity between urban and rural areas; urban areas are developing, whereas rural areas can hardly enjoy the benefit of economic growth. Therefore, there is a pressing need for region/area-wide comprehensive plans and policies.</p> <p>It is urgent to train executive civil servants who have perspectives, ability/skills, and theory required for preparing regional comprehensive plans and policies; thus it will be of great help that JDS Project covers this field.</p>	

Expected Theme of Research – Component 3

University of Tsukuba	Yokohama National University	Hiroshima University
<ul style="list-style-type: none"> • Urban and Regional Development Planning/Policy • Policies for SDGs 2030 • Agricultural development policies • Climate Change Adaptation/Mitigation Policy • Risk Assessment for Climate Change Induced Meteorological Disasters • Loss and Damage Policy • Environmental Disaster Management • Wastewater Treatment and Resources Recycling • Deforestation/Reforestation Monitoring • Biomass Reuse and Conversion • Decontamination of Toxicants, Antibiotics, Musty Odor Substance • Bio- and Phyto-remediation • Water Resources Management • Solid Waste Management • Life Cycle Assessment • Functionality Evaluation of Bioresources (e.g., medicinal plants) • GIS Application for Sustainable Urban/Rural Development 	<ul style="list-style-type: none"> • <u>Transportation Engineering and Urban and Regional Planning:</u> Urban Transportation Planning, Public Transportation Management, Transport Engineering, urban planning, regional planning, community development, housing, disaster management • <u>Structural Engineering:</u> Structural Engineering, Bridge Aerodynamics, Wind Engineering, Modeling of fracture phenomena, Seismic design of steel bridges, Renovation of civil engineering technology • <u>Estuarine and Coastal Engineering:</u> Coastal Engineering, Hydraulic Engineering • <u>Geotechnical Engineering:</u> Geotechnical Hazard, Soil Structure, Ground Improvement, Soil Investigation, Geotechnical Engineering, Tunnel Engineering, • <u>Hybrid Structure Engineering:</u> Concrete Engineering, Multi-Scale Thermodynamics, Maintenance Engineering, Concrete Structures, RC structure, Steel-Concrete composite structure, structural design 	<ul style="list-style-type: none"> • Rural Development Planning / Policy • Rural livelihood • Rural/Local development governance • Microcredit • Cooperative studies • Agricultural Economics • Agricultural Education (in the field of Agricultural Economics, not teaching methods) • Agricultural production and marketing • <u>Urban and transportation engineering:</u> Regional/Urban/Transportation Planning, Urban Science, Environmental Engineering, Tourism Policy • <u>Energy science and technology:</u> Building and Urban Environmental Science, Renewable energy, E3 (Energy-Economy-Environment) models, Energy Policy • <u>Risk management and technology:</u> Urban Risk Management, Coastal and Ocean Engineering, Hydrology, Safety Engineering • <u>Biological science and technology:</u> Astrobiology, Plant Science, Ecology, Entomology, Tropical ecology, Animal ecology • <u>Global environmental health Study:</u> Environmental Health Sciences, Epidemiology, Public Health, Disasters and Health, Health Policy <p style="text-align: right;"><i>※Animal Husbandry, such as animal ecology and animal reproduction, is out of study field</i></p>