

# **[KISTI] Study Proposal of International Admission for 2020 Fall Semester**

No.	Major	Sub-Major	Research Group (Team)	Study and Research Proposal
1	Data & High Performance Computing Science	Data Science	National Science and Technology Data Division	<ul style="list-style-type: none"> <li>· Construction on SciTech Content Curation</li> <li>· Development of System supporting Academic Information Sharing based on Open Access</li> <li>· Development of System Sharing and Disseminating Research Data</li> <li>· Development of S&amp;T Knowledge Infrastructure Convergence Service</li> </ul>
2	Data & High Performance Computing Science	High Performance Computing Science	National Super Computing Division and Data Analysis Division	<ul style="list-style-type: none"> <li>· Construction &amp; Utilizing HPC Infrastructure               <ul style="list-style-type: none"> <li>– Development &amp; Study of HPC operation technology</li> <li>– Development of cluster construction technology</li> </ul> </li> <li>· Development of Dispersion Parallel &amp; Cloud computing technology               <ul style="list-style-type: none"> <li>– Grid computing, parallel program optimization, Development of middleware technology</li> <li>– Development of Large experimental data processing technology</li> </ul> </li> <li>· Development of High performance networking &amp; security technology               <ul style="list-style-type: none"> <li>– Development &amp; Study of Network Performance optimization &amp; Network Test technology</li> <li>– Development of security control technology &amp; Cyber threat control and detection system</li> </ul> </li> <li>· Data Supply and Processing chain management               <ul style="list-style-type: none"> <li>– Development of Core technology and Study field searching technology</li> <li>– Development &amp; Application of information utilization for R&amp;D planning</li> <li>– Study of future technology prediction based on information data</li> </ul> </li> </ul>