Summary Specification	
BIL. SEBUTHARGA/QUOTATION REF.:	**UBD/Q/102/2025 (ICTC) - [G]**
BIL. TAWARAN/TENDER REF. :	
TARIKH DIIKLANKAN : 08 Julai 2025 [Selasa]	
TARIKH TUTUP : 22 Julai 2025 [Selasa]	JAM: 2 Petang
DOCUMENT FEE :	B$ 10.00

IMPORTANT

The Official PDF quotation/tender form will be send via email once UBD Official receipt issued and send to vendors/supplier for confirmation of payment received.

Mode of Payments > REFER IN UBD WEBSITE

Please take note that the document fee for each of the New and Extended quotations will be BND 10.00 each

Important Note: Please ensure that you provide the correct details when making the payment.

Please email proof of the above payment to helpdesk.epay@ubd.edu.bn. , finance@ubd.edu.bn,eprocurement.support@ubd.edu.bn.

	TITLE :	GIS APIs development and implementation for UNIVERSITI BRUNEI DARUSSALAM
No.	**Quantity**	**SPECIFICATIONS**
1	1 Lot	To develop and implement an API system for GIS (GenNext Information System). This API system should comply with the following requirements; 1) GIS (GenNext Information System) was developed in 2009 and over the years has been enhanced with the following major features: 　a) Student Onboarding/Enrollment 　b) Student Profile 　c) Student Program Management 　d) Student Module Registration 　e) Exam Marks Entry System 　f) Graduation System 　g) Student Transcript 　h) Discovery Year 　i) Point Stars System 　j) Student Scholarship 2) Based on current GIS system feature sets, UBD intends to expose the GIS system via APIs. 3) The successful vendor will develop the API based on the existing GIS system interfaces, instead of directly accessing the GIS database. 4) The GIS system has a Single-Sign-On (SSO) interface and an Access-Control interface to facilitate the usage of GIS data so that there are no conflicting access or changes made to the GIS data. GIS data integrity is critical to correctly operating the entire GIS system platform.

No.	Quantity	SPECIFICATIONS
TITLE :		**GIS APIs development and implementation for UNIVERSITI BRUNEI DARUSSALAM**

		5) It is essential that APIs authenticate to this SSO interface and authorize with the Access-Control interface.
		6) The API system should support an API gateway environment and be able to scale horizontally with a clustering architecture; the horizontal scaling should support the Load Balancing environment implemented in UBD.
		7) The successful vendor must have extensive knowledge and be well-versed in the process flows of the current GIS System.
		8) Information exchanges that are required are as below, but not limited to:
		  a) Student Registration Number
		  b) Student Full Name
		  c) Student Photo
		  d) Student Registered Year
		  e) Current Student Semester
		  f) Student Program Module List (Semester, Module Code, Module Name, etc.)
		  g) Local or Foreign Student
		9) The GIS APIs system must be completed within 4 weeks, including testing, UAT, APIs system documentation, deployment, and integration to the current GIS system production environment.