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PR-2024-0905-220983



Republic of the Philippines
VISAYAS STATE UNIVERSITY
Visca, Baybay City, Leyte

PURCHASE REQUEST

PPMP No. : **PPMP-2024-090224-0387**

PR No.: **STF-2024-09-01652**

Date: **09-05-2024**

Dept./Office: **DCE**

Category: **IT Supplies and Equipment**

Section/End-User: **Haide B. Cuevas**

Funding Source: **Special Trust Fund**

Project Title/Code: **STF PY**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Single-Package Licensed Software	set	1	200,000.00		200,000.00

Specification:

Structural Engineering:

- Supports both linear and nonlinear static analysis, including large deformation analysis.
- Performs dynamic analysis: seismic, response spectrum, and time history analysis.
- Tools for designing and optimizing steel structures.
- Tools for designing foundations (footings, piles, and mats).
- Tools for designing reinforced concrete structures (beams, columns, and slabs).
- **License:** Annual Student License for 30 seats.

Construction Engineering and Management:

- Load generators for seismic (UBC, IBC), ASME wind and snow, and bridge loading (BEAVA).
- Virtual construction planning with 4D models, interoperable with over 50 CAD applications.
- Breaks down design models for construction.
- Interact and augment engineering data for construction tasks.
- Access models in the field for planning, reviews, or inspections.
- **License:** Annual Student License for 30 seats.

Geotechnical Engineering:

- Automatic swept meshing for more efficient meshes.
- Elastoplasticity for beams and plates.
- Nonlinear geogrids: Elastoplastic (N-?) and viscoelastic (time-dependent).
- Full 64-bit software.
- Plastic calculation, consolidation analysis, and safety analysis.
- **License:** Annual Student License for 30 seats.

Water Resources Engineering:

- Thematic mapping with property-based color coding, symbology, and annotations.
- Dynamic, multiparameter, and multiscenario graphing.

