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Bismillah

IAP Laboratory at Ras Nhache/Batroun, Lebanon

Simulation Environment	In such a way the Graphical User Interface shall be

Master Thesis

Simulation of the satellite system IAP-SAT and simulation of operational flight of IAP-SAT

Detailed description and working plan

Modeling of actual IAP-SAT hardware and software components in octave	8 weeks
Modeling of IAP-SAT mechanical components with ProE	3 weeks
Integration to a operation flight model and visualization in IAP-ECS environment	3 weeks
Documentation	3 weeks

Keywords:

Low Earth Orbit Satellite, Flight Mechanics&Dynamics, Matlab Simulink/Octave, CAD, ProEngineer

Contact: Samir Mourad, Email: samir.mourad@aecenar.com, Mobile +961 76341526