R&D GAPS & POSSIBLE COLLABORATORS

HR DEVELOPMENT	EXISTING / CURRENT	S&T GAPS and CHALLENGES	COLLABORATORS
(PRIORITY 1) POLICIES	Flying/ operation requirements	Certification guidelines for UAV – design, manufacturing, testing, operation (Licensing of operators and users) Policy for hobbyists in non-designated areas	CAAP, academe, UAV operators/ service providers
(PRIORITY 2) UAV CURRICULUM	Introductory Course in UAV/UAS (Components and Mechanics) Development of airframe, aircraft design as part of Aero Eng'g (Feati) Digital photogrammetry (UPD)	Composites Special program/track under ECE Microprocessor (UAS) Control system Fixed wing, telemetry, image/signal processing, remote sensing and GIS Science tours for HS	AdMU, Feati, UP, DLSU,FIDA, MIRDC

R&D GAPS & POSSIBLE COLLABORATORS

HR DEVELOPMENT	EXISTING / CURRENT	S&T GAPS and CHALLENGES	COLLABORATORS
(PRIORITY 3) TRAINING / TRAINING COURSES	Provides trainings to PN (AdMU) Training courses by UPTCAGP	- Inventory of existing expertise, needs - Faculty development - Training for design (platform and systems), fabrication, operation, maintenance, system repair - Certified Training Providers - UAV kit development	AdMU, Feati, UP, DLSU
(PRIORITY 4) TESTING / SIMULATION FACILITY	- Flight simulators - Design software for flow simulation/CFD - Finite Element Analysis (FEA) Center - ADMATEL, EPDC, Die&Mold Center	- Central UAV design and maintenance facility - Wind tunnel – VTOL/STOL - Inventory of existing facilities - Industrial 3D printers/CNC Routers	CAAP, PNRI, AFP, DOST LABS