


ACT-070

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ACT-070 was the first UWAM vehicle to utilise Kinetic Suspension Technology after the team partnered with Kinetics to develop a unique solution for FSAE. This suspension system is very similar to the system currently used in the 2012 McLaren MP 4 12C Supercar.

The team finished 3rd both overall and in Endurance event in the 2004 FSAE-Australasia competition.

The second of UWAM's vehicle the team took International; competed again at the world championships in Michigan in May, 2005.

The team achieved a perfect score and subsequent 1st place in Engineering Design and was within 0.1% of the time of the Endurance winners to place 2nd. In the highly competitive world championship UWAM placed a very close 2nd place to reigning champions Cornell University.

Specifications	
Weight:	220 kg
Power:	70 hp
Engine:	Honda CBR600 F4i, custom fuel injection and exhaust, variable geometry intake manifold.
Drivetrain:	Custom 4-speed gear box with sequential shift. Chain RWD with Torsen LSD.
Chassis	Two piece carbon fibre monocoque.
Suspension:	Kinetics H2 suspension system. Double unequal length wishbones, non-parallel axes with toe control in rear. Custom designed and manufactured dampers. Custom welded hubridhts.
Electronics:	Motec controller with data acquisition system. Traction control system. Digital driver feedback display.
Brakes:	Custom 4-wheel slotted petal disks with Brembo dual piston calipers.
Wheels:	Custom aluminium wheel centres with custom spun aluminium rims.
Tyres:	Hoosier FSAE spec racing slicks.
Performance:	0-100kph: 3.6s, 0-75m: 4.2s