

2015

DAuto Newsletter

APRIL EDITION



Design engineers turn designs into reality. Without them, a great idea but nothing more than, well, a great idea.

Chevrolet reveals Sci-Fi looking FNR autonomous concept autonomous cars

At the 2015 Shanghai Auto Show Chevrolet has presented the FNR, a study of a futuristic self-driving vehicle with an extreme look created at GM's Pan Asia Technical Automotive Center.



The goal of the engineering and design teams was to create a unique, intelligent vehicle for tomorrow's younger consumers by utilizing innovative car networking technology.

Chevrolet reveals Sci-Fi looking FNR autonomous cars

The Chevrolet FNR has a futuristic capsule design, with dragonfly dual swing doors, crystal laser headlights and taillights, magnetic hubless wheel electric motors and a wireless auto-charge system.



The Chevrolet-FNR can also serve as a "personal assistant" to map out the best route to the driver's preferred destination.

In self-driving mode, the vehicle's front seats can swivel 180 degrees to face the rear seats, creating a more intimate setting. The driver can switch to manual mode through a gesture control feature.

Ford presents new Taurus for the Chinese market

The historic Taurus nameplate comes to China as a new flagship model for Changan Ford, and will be produced at the new US\$760 million Hangzhou facility.

The design features the shield-like trapezoidal grille, slender LED headlights, muscular sides and multi-piece LED tail lights. Todd Willing, Asia Pacific Design Director and exterior designer for the Ford Taurus, commented: "We wanted to create a vehicle that displays a maturity of design with balanced and harmonious proportions, tailored to the business customer in China. Our aim was to create a vehicle that is elegant, inviting and quietly confident."



Ford presents new Taurus for the Chinese market

At the 2015 Shanghai Auto Show Ford has taken the wraps off the new Taurus, a full size sedan designed specifically for the Chinese market.

The new Taurus is powered by a twin-turbo 2.7-liter Eco Boost V6 engine.

The spacious interior includes premium features such as power reclining rear seats with a massage function, a panoramic sunroof and exceptional second-row legroom.



Volvo XC90 Excellence Lounge Console interior concept

Labelled the Lounge Console, the concept offers chauffeur-driven business people "the ultimate executive accessory".



The Lounge Console incorporates a large work table which opens to reveal an illuminated vanity mirror, including a storage tray for jewelry and personal accessories or make-up. The table rotates 90 degrees and simultaneously powers forward to display a large 17" media screen for a full in-car theater experience. Below the cushioned leg rest is an additional area for shoes. For added security Volvo Cars has included a lockable storage box.

Vol kswagen C Coupe GTE Concept

Following Sport Coupé Concept GTE unveiled in Geneva, the C Coupe GTE is over five meters in length and over 1.9 meters in width.

It shows a new design approach expected to be adopted on the brand's future large sedans, with a face characterized by horizontal lines, long hood, very low stance and low profile side windows and a horizontal character line formed by two lines emphasizing the car's length.

The generous dimensions are balanced by the massive 22-inch wheels fitted with 265/30 tires.

Volkswagen C Coupe GTE Concept

The car, designed primarily for the Chinese market, is based on the company's MLB platform – the same adopted for the Audi A6. The C Coupé GTE is equipped with an advanced plug-in hybrid drive system combining a turbocharged gasoline direct-injection engine (TSI), an 8-speed automatic gearbox, an electric motor integrated in the gearbox module and a lithium-ion battery.

The extreme-looking kit, produced by Honda Performance Development, Honda's racing arm in North America, consists of 200 carbon-fiber pieces that can be fitted to the existing Honda-powered Dallara Indy car chassis, allowing teams to customize the configuration depending on the specific circuits, driving styles and track conditions.



SEAT 20V20 Concept



The 20V20 signals how SEAT is evolving and developing its design DNA, and many of the details incorporated in the SUV concept will be used on the upcoming production models. The SEAT 20V20 (meaning "vision veinte veinte", Spanish for 20:20)

BMW "Ignite Straight Six" Concept Bikes

BMW K 1600 GTL equipped with a 1649 cc six-cylinder engine. Kenji Nagai's creation named 'Ken's Factory Special' relies on hand-made aluminum girder-type front forks raked out in chopper style using a modified headstock.



The illusion of a dramatically low seat height and narrow motorcycle is enhanced by the use of a 23-inch front wheel and a 20-inch rear wheel. More nicely manufactured details made from aluminum like covers for fuel tank and radiator or handlebars are completing Kenji Nagai's artificial craftsmanship.

Audi Prologue all road Concept



The concept is powered by a 540 kW / 734 hp plug-in hybrid system featuring a 4.0 TFSI engine – a V8 with twin turbochargers.



When the audio system is switched on, a sound spoiler moves out of the rear wheelhouse panelings. Two Audi tablets, which can be mounted in the backs of the front seats, also use OLED technology.

The continuous center console and the front seats appear to float. The instrument panel features a strictly horizontal orientation. Its upper level is part of the wraparound – the arc encircling the cabin and the luggage compartment. A perforated trim panel covers the broad air vent; it retracts as soon as the air-conditioning is set higher.

Peugeot 308 R HYbrid Concept



COMPONENTS OF THE PLUG-IN PETROL HYBRID POWERTRAIN

TRANSMISSION

6-SPEED GEARBOX

PETROL ENGINE

1.6L THP 275 S&P

ELECTRIC MACHINE

85 kW (115 HP) - PERMANENT MAGNET SYNCHRONOUS MACHINE

PETROL TANK

50 LITRE CAPACITY

HIGH POWER BATTERY

LITHIUM ION - 3 kWh / 400 V

ELECTRIC MACHINE

85 kW (115 HP) - PERMANENT MAGNET SYNCHRONOUS MACHINE

4 WHEEL DRIVE

308 R
HYBRID

The color scheme combines a blue paint with fluorescent pigments and glass particles with a rear section finished in matte black – a livery similar to that introduced with the 308 R Concept. The plug-in powertrain combines three sources of power, each capable of moving the vehicle independently of the others.

STUDENT'S CORNER



This Design had been created and Presented by Vinita Choudhary (JEC, Jabalpur) and Zubair Ahmad (PCST, Bhopal) students of DAuto CAD School during the period of Software Training on Catia V5.



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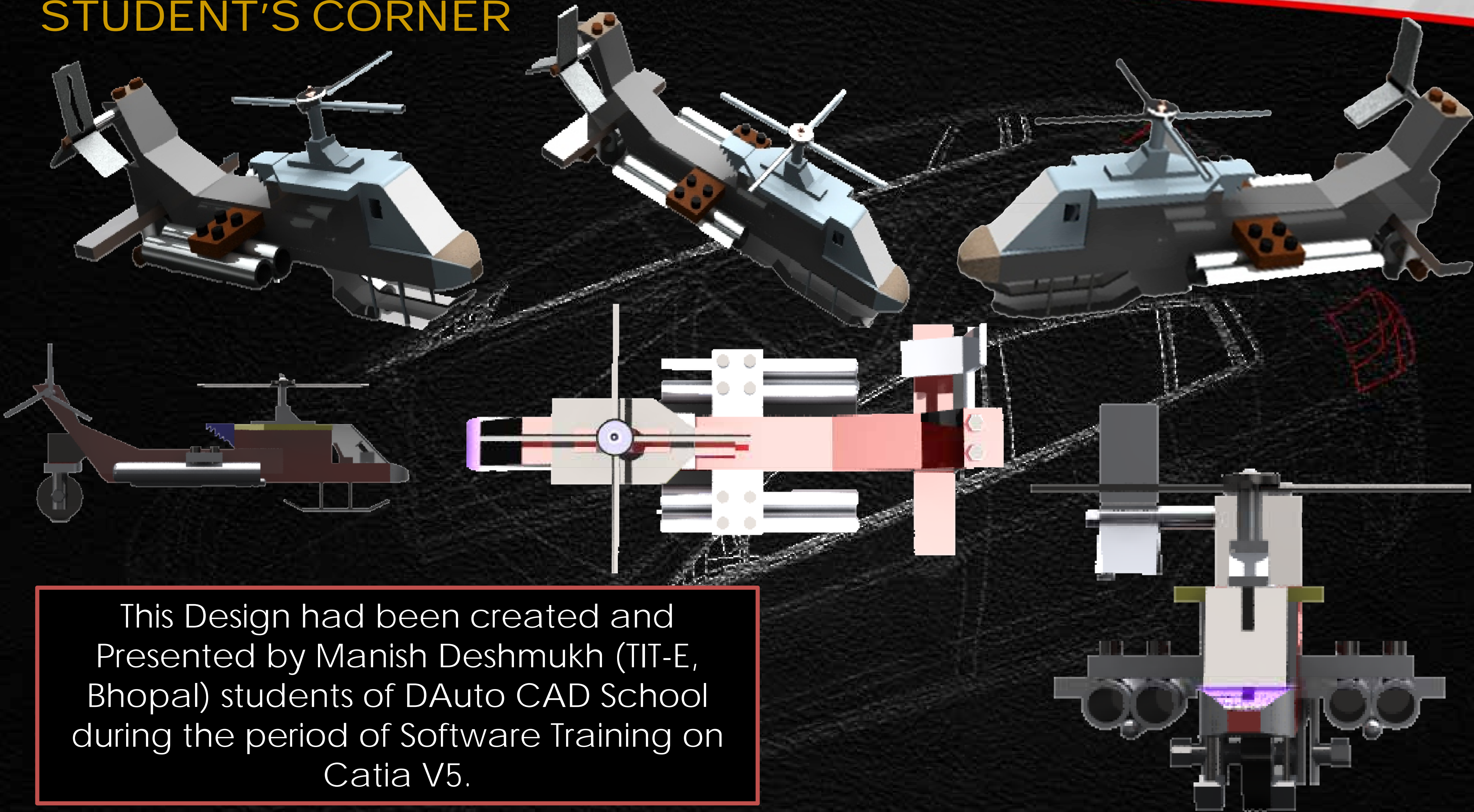


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