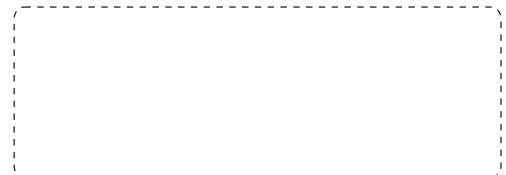
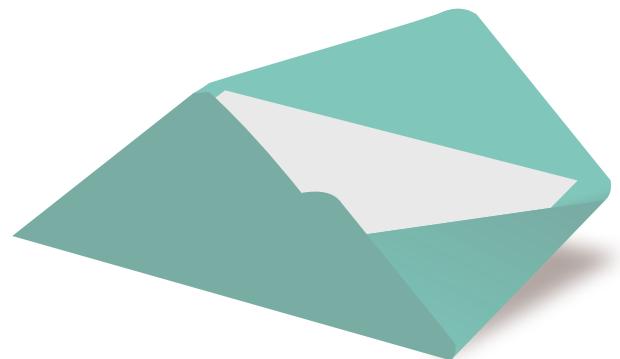


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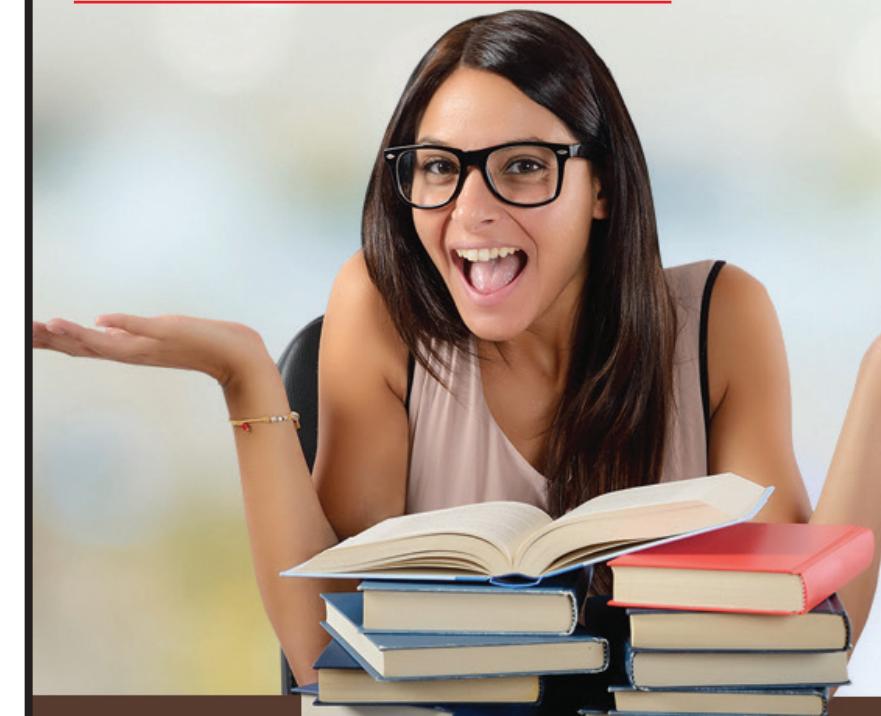


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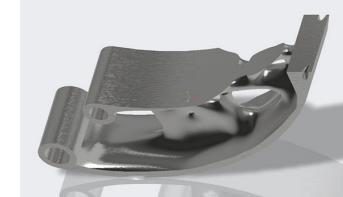
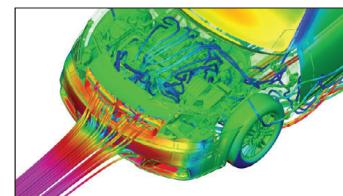
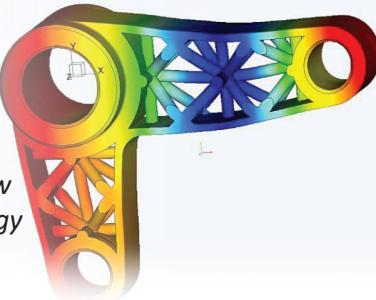
CREO 5.0 OFFERS

AR, Topology Optimization and More

Yes! PTC has successfully launched a new version of parametric CAD software, Creo 5.0. This version of Creo is enticed with new extensions that will bring new functionalities among manufacturing, simulation, augmented reality, topology optimization, and also general productivity improvements.

Here, we have listed new features of the Creo 5.0:

- **Additive and Subtractive Manufacturing:**
The Creo 5.0 is extending support service of 3D printing with Creo Additive Manufacturing for Materialise allowing users to connect directly to printers for metal printing. Also, the Creo Mold Machining extension is giving high-speed 3-axis and 3+2 positioning machining which is optimized for molds, electrodes, and prototypes.
- **Computational Fluid Dynamics:**
The new feature of fluid flow extension allows product users or engineers to stimulate the fluid flow directly within Creo. The production company of Creo, PTC also claims that the fluid flow extension is easy to handle, accurate, and brings quick results.
- **BI-Directional CAD:**
There is a new collaboration extension which enables the bi-directional exchange of Creo parts and assemblies with the Autodesk Inventor.
- **Augmented Reality:**
With the development of the new version, PTC integrates Creo with AR platform, by allowing Creo users to manufacture and present AR experience from within the designs.
- **Topology Optimization:**
The feature of topology optimization will enable users to insert objectives and constraints. It will also allow the software to automatically create an optimized design.
- **Productivity Improvements:**
Creo 5.0 brings some improvements to the productivity of the user, which includes an enhanced user interface, geometry creation, volume helical sweeps, design improvements, surface improvements and a lot more. The advancements in this CAD software will result in better functionality and effective product manufacturing.



PTC's Brian Thompson also said that "Product designs these days requires advancements, and Creo continues evolving to meet the needs of customers." The changes brought in the product Creo 5.0 reveals that it can help companies right from the earliest phase of design to smart, and useful product.

The significant features of Creo suggests that new functionalities and capabilities, sets the software apart and gives companies a true competitive edge from ideation till manufacturing.



Aeromobil's Latest Electric Flying Car Concept Hopes To Take Off In 10 Years

One of the leading engineering company, AeroMobil dreamt of launching the flying car but the idea got crashed before three years. Nevertheless, the company realms with the same concept and better way of implementation. The company invented an entirely new electric four-seater vertical take-off, namely AeroMobil 5.0.

Some of the special features of car AeroMobil 5.0 are:

- This all-in-one vehicle can fly up to 200 miles
- One can drive this as a standard car on roads
- It does not require individual pods for landings
- It has improved suspension for a smooth landing
- The car has a motor on the wing tips
- It will have airbags and a parachute within the vehicle

The previous concept AeroMobil 4.0 is quite different with this AeroMobil 5.0. It is a short take-off and landing vehicle, which means that it requires a short runway. The car 4.0 is still undergoing testing and can travel up to 400 miles as it is energy efficient than AeroMobil 5.0.

As per the backdate news in 2015, AeroMobil was aggressive about launching Ferrari with Wings in 2017. However, the plan didn't turn out to be a reality. As per the insiders of the company, the 4.0 version will

be made available "in a limited series to private owners" from the year 2020. After the 4.0 version enters the market, the AeroMobil 5.0 will also float in the market in the next seven to ten years. The company realms to bring the best experience of a ride as well as a flight with this newly invented vehicle.

Image courtesy: <https://www.aeromobil.com> || <https://apartmentofthefuture2016.com> || <https://www.ptc.com> || <https://humphreys.com> || <http://www.techeblog.com> || <https://www.zemax.com> || <https://www.youtube.com>



NEXT GENERATION: APARTMENT OF THE FUTURE CONCEPT DESIGN

The design of the apartments have evolved in the last few years, and will continue developing with technology advancements. The apartment of the future is a complete new concept, it pervades and enhances as the architects and designers adopt new styles and feats.

Below listed are a few technologies that are comprises to define apartment of the future:

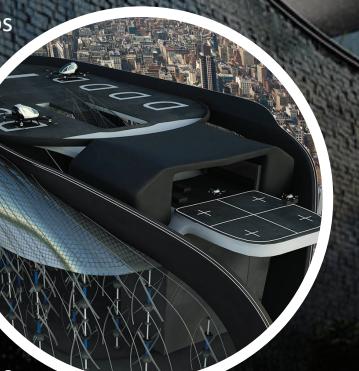
Delivery Drones

These drones can drop off packets and other utilities into another apartment safely and securely. This technology will lower down the use of elevator system as it will help people in delivering things to another resident's apartment with the help of drone.



Smart Exteriors

In the process of creating apartments for the future, designers will propose only the lightweight and incredible strong carbon fibre. Such kinetic façade exterior will out bring energy and movement combined with energy efficient LED lighting that will assist in growth of vegetation. Therefore, the apartment of the future will produce solar as well as wind energy as a feature of smart exteriors.



Luxury Amenities

Residents in the apartments of the future are going to enjoy the "on-the-go" lifestyle which includes one feature as smart phone enabled entry. The residents can provide limited access time to enter and also reset the time as per the requirement. There will be



How To Present Your Mechanical Design To The Team?

The newbies in engineering often feel underestimated due to the lack of soft skills that are required to undermine the job role. For a mechanical engineer, it is more important to present the mechanical design more efficiently than knowing only the technical details.

communicate the required use and purpose to everyone.

Public Speaking Skills

Work on the confidence level to nail the presentation in front of people. If you still feel anxiety after practicing presentation behind the curtain, remain calm during the actual presentation to go on. Remind yourself that you halfway there, and face people with a smile.

more. If you don't have answers to the questions, don't get nervous and avoid fumbling. Tell them that you will get back with the right answer after the meeting.

Presentation Tips

Don't keep reading all the content from the PowerPoint and take audience towards the pointer every time. It can leave them confused or bored while listening. Prepare bullets or rough narrative to explain your ideas.



Understand the audience

Represent your design from the perspective of an ordinary man. The audience may not be aware of the nitty-gritty involved, and therefore, your design must be able to

Prepare for the questions that the audience is going to put in front of you. There can be questions related to designs, materials and choices, manufacturing processes and much

Apart from the presentation, people will judge you more by the mechanical design and not the speaking skills. So, go easy and work on the essentials before the meeting.