

“REPORT ON SEMINAR OF CREO PRESENTED BY MR. JIGNESH VADALIA AND MR. PARTH PANDYA, BLUECHIP INFOCORP PVT. LTD.” ORGANISED IN D.A.D EDUCATION CAMPUS ON 4TH AUGUST, 2018, 10:00 AM

About Bluechip Infocorp Pvt. Ltd. :- Bluechip Infocorp Pvt. Ltd. (BCIPL) offers a complete range of Technologies which helps companies in their product development processes.

We started off as Pro/CAD-CAM Solutions in 2002 to offer training and engineering services. Back in those days, when the OEM’s were strongly insisting upon adopting 3D designing platforms, Tier 1 and 2 suppliers were struggling to make a shift from 2D, we helped them to make a smooth transition thru our trainings & services.

Besides the early adoption of the 3D platform, it was our solid foundation in the Engineering field and extensive knowledge in the manufacturing industry that set us apart from the rest and continues to distinguish us even today.

We have since grown into offering every product development solutions. For us, product development is not something that starts on the drawing board and ends on the assembly line. Rather, it is something that even includes building efficient design teams, assessing feasibility and streamlining a manufacturing process.

We strongly believe in investing in excellent & skilled brains, keeping in mind that our gain is purely on performance driven strategies and people. We nurture our people with one of the best environment to work and grow which makes them highly motivated domain specific specialists for Sales & Technical Support.

We work 360 degrees to gain the customer satisfactions across the platform of work and solutions.

The presentation continued with the fundamentals of PTC, the creator of CREO. CREO uses granite kernel for its software development, that is why this software is more stable compared to its counterparts.



Also PTC CREO offers the following exclusive features :

- Comprehensive 3D design
- Powerful Assembly – 2D/3D Annotation and documentation
- The first software developed one of its kind parametric software called Pro-Engineer in the year 1985. Because of its own granite kernel it is able to provide integrated solutions in CAD,CAM, CAE, CAE, IoT and AR.
- Augmented Reality is a platform which integrates and associates all the features of the digital model and the physical model in real time.
- Digital manufacturing – Breakthrough multi-CAD Data Exchange – Companies like Boeing, Audi and Mercedes have started utilizing digital manufacturing techniques and 3D printing by applying optimization of weight.



PTC CREO UNIQUE CAPABILITIES :

- ✓ The latest version of Creo - CREO 4.0 is more productive as it offers a mini-tool bar, less mouse travel and clicks.
- ✓ It also provides the Augmented Reality Experience which is effectively used by Service engineers without any prior training.
- ✓ A customizable tool-bar is available for user-friendly experience.
- ✓ The user can create macros, i.e Mapkeys and thus save a lot of time in duplicating tasks
- ✓ Intelligent mirror and reuse option is available.
- ✓ Design exploration extension is available. This is a feature that enables the user to create variants in terms of product development.
- ✓ Flexible modeling is available in sheet metal works
- ✓ CREO unite technology allows any file to be opened in CREO environment.



- ✓ MathCAD allows calculation and equations presented in easily understandable format.
- ✓ Free surfacing feature acts like clay modeling.
- ✓ Changes in the geometries and dimensions also possible using reference control notification centre.
- ✓ Files created in CREO uses less drive space compared to any other CAD tool.
- ✓ The enormous features provide associativity with collaboration of design and operationalisation.
- ✓ Creo Direct is an extension where parametricity is not required, but the emphasis is only laid on the external aesthetics.
- ✓ Legacy data migration is an enhanced feature where connectivity and associativity are available for 2D and 3D models.
- ✓ CREO Layout available for general assembly drawings/ arrangement

- ✓ Advance assembly extension – where separate assemblies and simultaneous viewing is possible as separate representations of various sub-assemblies
- ✓ Interactive Surface Design is a style tool.
- ✓ Creo Render Studio is a reverse engineering extension where we can scan and create any design component.
- ✓ Creo Schematics used for piping and cabling
- ✓ Behaviour modeling which enables the remodeling by changing various parameters to get the desired output. For eg. The impact on weight by changing thickness.

We were also given a demonstration of augmented reality that uses the technology of Internet of Things using the application of Thingworks.

Also, another video was shown to us where sensors used in physical models displayed the design, operationalisation and embedded real time analysis of all the vital parameters of the systems and its operationability.

Also, the importance was stressed on the market dynamics and the multi-disciplinary approach to be integrated in the learning as well as the teaching approach applied in today's age.

Overall, the session was very informative and educative.