

3D Printing Educational Kit

Secondary School Education / College / University

- ✓ Class : 9th to 12th grade
- ✓ Engineering students
- ✓ Architecture students
- ✓ Medical students
- ✓ Art and Fashion Design students
- ✓ Entrepreneur & Commercial Job seeker
- ✓ Manufacturing and Product Design students
- ✓ BBA and MBA students
- ✓ Computer Science students
- ✓ Age group : 14+ Years

The 3D Printing School / College kit is first of its kind in India. 3D Printing is a great way for schools and colleges to really engage their students in the learning process and offer advanced possibilities for a variety of disciplines. Every schools and colleges would need to integrate 3D Printing to prepare next generation for their future careers.

3D PRINTING


REVOLUTIONISING

the


CLASSROOM

3D Printing has caught the attention of educators who are looking into ways to incorporate it into the classroom.


Using 3D Printers in the classroom could mean:




Biology students can study cross-sections of hearts or other organs.




Design and Engineering students can make prototypes of their creations.




Chemistry students can print out complex molecules to study.




Engineering students can print modified car or robot parts.




Architectural students can print new or existing designs.




History classes can print artifacts for closer examination




Geography students can print out topography, population or demographics of an area.



Graphic design students can create prototypes of product designs



Food Technology students can design molds and cookie cutter templates



“ 20 years back computers were introduced in schools and now 3D printing technology is ushering in schools and colleges around the world.”



3D Printing is bound to change School / College education in many different areas. The most obvious applications are in the prototyping capabilities useful for Engineering, Medical, Fashion, Architecture and Art students.

More disciplines where 3D Printing add value :

- Historical artifacts can be printed to be investigated without worrying about damaging the piece.
- An extra dimension can be added to the artwork of Graphic Designers.
- 3D prints of skulls and all other bones can be used by Biology students.
- Chemistry students can 3D print molecular structures to support their learning process.
- Engineering and computer science student can design prototype to test their creation.

3D Printing School Kit is designed to enhance :

- ✓ Creativity and technical skills
- ✓ 3D printing concept
- ✓ Model designing
- ✓ Computer aided designing
- ✓ Real world objects creation
- ✓ Machines and motor skills
- ✓ Mechanical & Molding technique
- ✓ Rapid prototyping technique
- ✓ Adoption of new technology

3D Printing familiarizes students with advanced digital tools and techniques to visualize and create prototypes. Students enhance their learning with a hands-on experience and video tutorials. 3D Printing is a way to future careers in various fields

3D Printing benefits for students :

- ✓ Enhance learning and student brain development.
- ✓ Encourage creativity at SLP stage (student learning phase)
- ✓ Feeling of creation, foster student's personality
- ✓ Improve interest in Art and design aesthetics and motor skills.
- ✓ Cognitive improvement (such as thinking, understanding, learning and remembering)
- ✓ Learn product design & development, 3d printing technology, software technique
- ✓ Create a launch pad for the future for your students for an industry that is growing at the rate of 45.7%

3D Printing School Kit includes :

- ✓ 3D Printer
- ✓ Filament roll
- ✓ Student Educational Training Course
- ✓ Teacher Training Workshop
- ✓ Professional Support
- ✓ Designs Template
- ✓ Software in USB key
- ✓ Online Drive Subscription