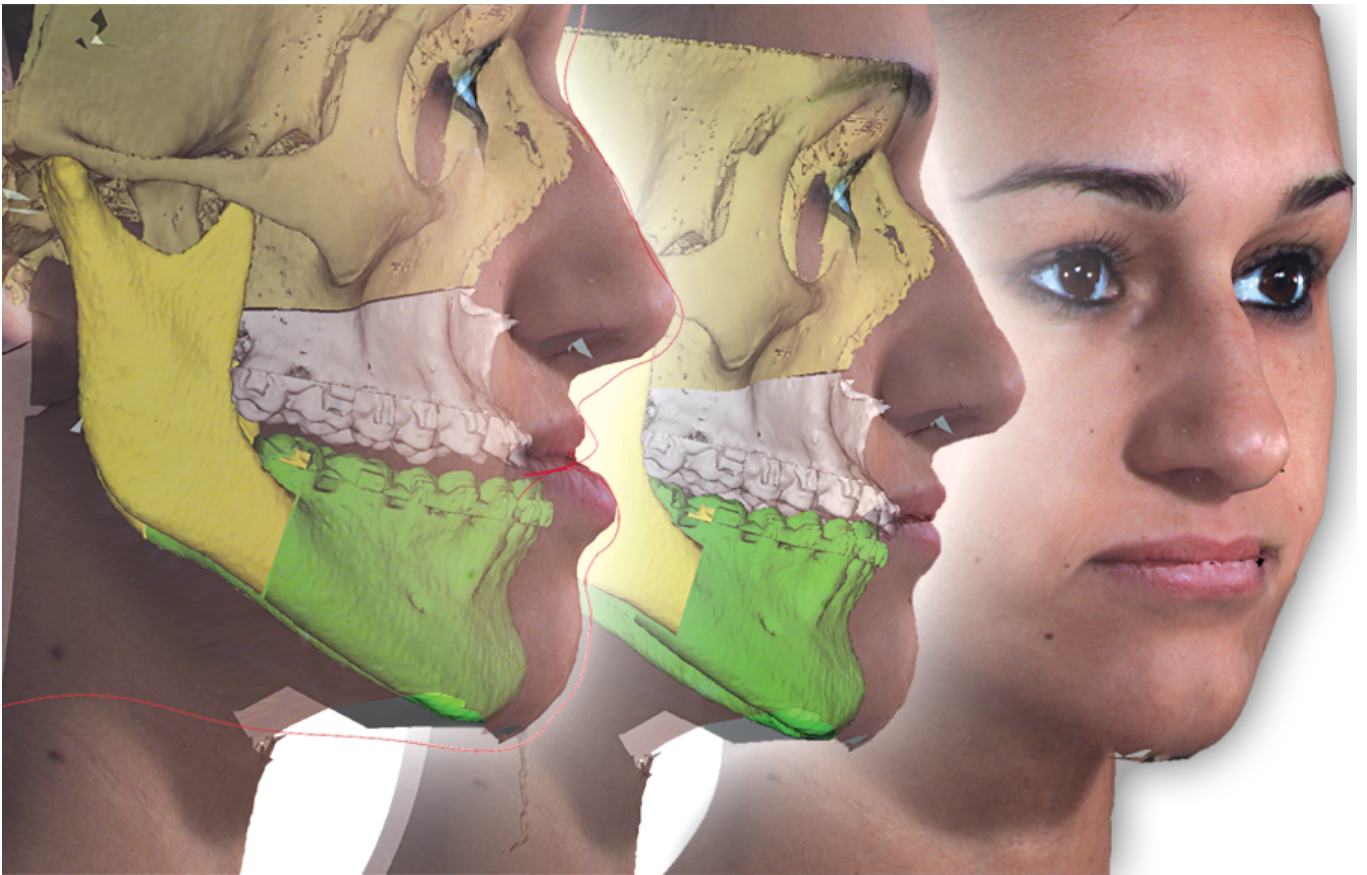


DOLPHIN 3D PLANNING:



Department of Orthodontics, Saveetha dental college has always been heads and tails above their counterparts and has been a trend setter when it comes to digital platform. The holy grail of digital planning has always been 3D planning and printing. The Dolphin 3D software is a powerful tool that makes processing 3D data extremely simple, enabling dental specialists from a wide variety of disciplines to diagnose, plan treatment, document and present cases. Dolphin 3D allows visualization and analysis of craniofacial anatomy from data produced by cone beam computed tomography (CBCT), MRI, medical CT and 3D facial camera systems. It features tools for onscreen manipulation and analysis of volumetric datasets: Images are easily oriented and rotated, and tissue density thresholds can be adjusted for detailed views of craniofacial anatomy. Measurements and digitiza-

tion can be performed in both 3D and traditional 2D. For patients requiring corrective jaw surgeries we use Dolphin 3D surgical software module to visualise the movements in all three planes of space to enable detailing and perfection. We also possess latest CBCT machine which has soft tissue imaging that can be incorporated to 3D dolphin for soft tissue planning and morphing. The Present tool uses the simulated treatment from in-an animated sequence of pre-/post-operation configurations in all three dimensions. This allows us to carefully study detailed treatment nuances; demonstrate the plan to the patient; or conduct case presentation to surgical team. Any complex case can be easily diagnosed and planned using Dolphin 3D software. Our students are trained to plan Orthognathic surgeries using Dolphin 3D module and also print surgical splints. This gives them the edge over their peers and bestows them with confidence.

