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Manav Rachna launches Centres for Futuristic Dentistry

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New facilities combine digital diagnosis, smile design, implant planning and computer-guided treatment



Manav Rachna Dental College (MRDC), Faridabad, has inaugurated the Centre for Digital Dentistry and the Centre for Advanced Oral Implantology under its Department of Futuristic Dentistry, along with the Temporomandibular Disorders (TMD) Centre under the Department of Prosthodontics.

The new facilities combine digital diagnosis, smile design, implant planning and computer-guided treatment in one integrated ecosystem, enabling students to train using contemporary technologies while making advanced dental care more accessible to the public.

Lt. Gen. Dr Vimal Arora, Chief Clinical Officer, Clove Dental, inaugurated the three centres as the Chief Guest.

The Centre for Digital Dentistry introduces digital workflows for diagnosis, treatment planning and the in-house fabrication of dental restorations using intraoral 3D scanning and computer-aided design (CAD) and computer-aided manufacturing (CAM) technology.

The Centre for Advanced Oral Implantology strengthens the institution's implant dentistry capabilities through Cone Beam Computed Tomography (CBCT), digital implant planning and guided implant surgery. By integrating three-dimensional imaging with computer-guided workflows, the centre supports accurate diagnosis and treatment planning while enabling comprehensive implant care within the institution.

The Temporomandibular Disorders (TMD) Centre provides specialised diagnosis and management for disorders affecting the temporomandibular joint and associated structures. Equipped with advanced diagnostic technologies, including surface electromyography (EMG), Joint Vibration Analysis (JVA) and digital occlusal analysis systems, the centre offers evidence-based evaluation and treatment for patients experiencing jaw pain, joint dysfunction and related conditions.