CollabDDS: Collaborative Digital Diagnosis System provides an integrated online environment to visualise medical and dental images for diagnosis and treatment planning. CollabDDS is an indigenous, vendor independent solution. The high-bandwidth and low-latency capability of the National Knowledge Network (NKN) provides the ideal platform for this project.

- **Efficient Digital Workflow of X-Ray Imaging**
- **Improved Diagnosis and Treatment by Collaborative Consultation**
- **Enhancement of Quality of Medical Services**
- **Reliability, Security and Accessibility of Medical Records**
- **Education based on Real Time Diagnosis**

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CollabCAD Group
National Informatics Centre
New Delhi

Department of Orthodontics
Centre for Dental Education and Research
All India Institute of Medical Sciences
New Delhi

Department of Radiodiagnosis
All India Institute of Medical Sciences
New Delhi

OrthoCAD Group,
Indian Institute of Technology Bombay
Mumbai

Central Scientific Instruments Organisation
Chandigarh

www.collabdds.gov.in  
collabdds@nic.in
Visualization

- X-Rays images: Multiple formats supported
- DICOM images (CBCT, CT Scans and MRI data)
- Brightness, Contrast, Sharpness, Negative
- Zoom, Pan, Rotate, Flip, Undo, Redo

Collaboration and Repository

- Real-time Sharing and Annotation
- Audio and Video Communication
- Integrated Centralized Repository of cases and teaching files
- Access and Security Control for Repository

Additional Features

- Integrated Cephalometric Analysis
- Creation of Clinical Case Studies
- Image Processing and Manipulations
- Measurements: Distance, Angle