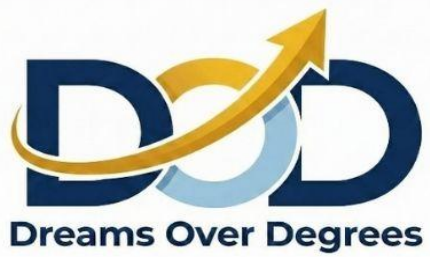


DR. SANJANA RAJESH UPADHYAY
BDS|MTECH IIT HYDERABAD
FOUNDER: RAYOSCAN AI DIAGNOSTICS

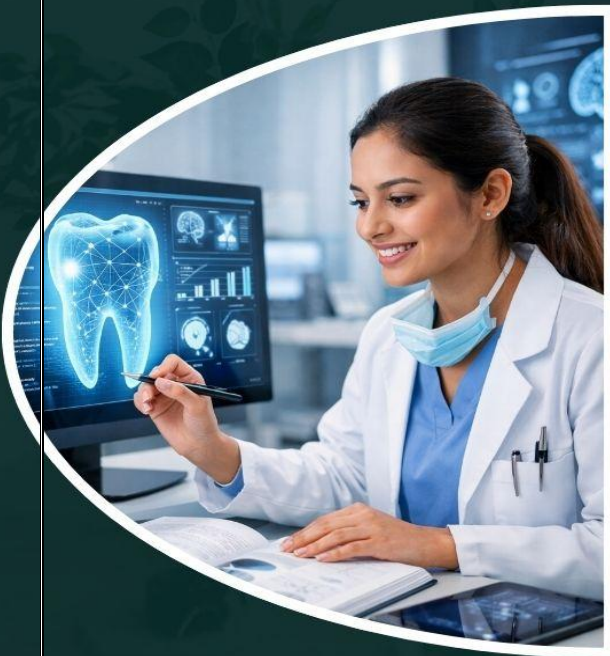


AI IN DENTISTRY

TURNING KNOWLEDGE INTO
OPPORTUNITY

workshops@dreamsoverdegrees.com

IIT Hyderabad Campus, Sangareddy,
Telangana-502001





AI IN DENTISTRY: CURRENT APPLICATIONS & FUTURE CAREER PATHWAYS

- Organised by: Dreams Over Degrees
- Audience: Graduate and Postgraduate Dental Students & Faculty
- Format: Webinar / Academic Workshop

WHY AI MATTERS IN MODERN DENTISTRY

Artificial Intelligence is rapidly reshaping clinical dentistry, diagnostics, research, and dental education. This workshop explores how AI is transitioning from experimental tools to real-world dental applications and how dental professionals can engage with this transformation.

KEY AREAS COVERED

1. Evolution of AI in Dentistry

- From rule-based systems to deep learning in dental imaging
- AI as a clinical decision-support tool
- Ethical, regulatory, and clinical adoption perspectives
- Dental Radiology & Imaging
- AI-based analysis of OPG, RVG, CBCT
- Automated detection of caries, bone loss, impactions, and pathology
- Quantitative measurements and structured reporting
- Treatment Planning & Clinical Decision Support
- Risk prediction models
- Outcome-based planning
- AI-supported second opinions
- Digital Dentistry & Workflow Automation
- Smart documentation and reporting
- AI-assisted patient communication
- Practice analytics

2. Research & Academic Dentistry

- AI-driven dental research
- Pattern recognition in large datasets
- Support for postgraduate thesis and publications

3. Future AI Technologies in Dentistry

- Multimodal AI systems
- Chairside AI assistants
- Voice-based clinical documentation
- Personalized dentistry using predictive analytics
- AI-integrated dental devices

CAREER PATHWAYS

- Dental AI Researcher
- Clinical AI & Imaging Specialist
- Digital Dentistry & Health-Tech Professional
- AI-Based Diagnostics Analyst
- Dental Product & Medical Device Innovator
- Academic-Industry Hybrid Roles
- Healthcare AI Consultant

SKILLS & COMPETENCIES

- Understanding AI concepts relevant to dentistry
- Interpreting AI-driven diagnostic outputs
- Ethical and clinical validation of AI tools
- Collaboration with engineers and researchers
- Preparing for AI-integrated academic and clinical careers

ABOUT EVOLVE – DREAMS OVER DEGREES

The **EVOLVE Program** by **Dreams Over Degrees (DoD)** is designed for students and healthcare professionals who want to **future-proof their careers** in an era where technology, AI, and interdisciplinary skills are rapidly reshaping the world of work.

Traditional degrees alone are no longer enough. What truly differentiates professionals today is their **ability to adapt, upskill, and apply knowledge in real-world, evolving domains**. EVOLVE exists to bridge this exact gap.

Why EVOLVE?

We noticed a common problem among students and early professionals:

- Confusion about career paths beyond traditional roles
- Lack of clarity on **how AI, data, and technology fit into healthcare and other domains**
- Overwhelming information online, but no **structured, beginner-friendly roadmap**
- Fear of “starting late” or “not being from a tech background”
EVOLVE was built to solve this.

What We Do

EVOLVE is a **structured, step-by-step learning program** that introduces participants to:

- The **real meaning of AI** (beyond hype)
- Core concepts of **AI, data, and digital tools** — explained in a simple, intuitive way
- How healthcare professionals can **transition into clinical, non-clinical, and tech-enabled roles**
- Practical use of tools like **ChatGPT and AI assistants** for learning, productivity, and career growth
- Understanding **future skills** that matter across industries, not just medicine

We don't believe in heavy jargon or coding overload.

We believe in **clarity, context, and confidence**.

Who Is EVOLVE For?

- Healthcare students (medical, dental, allied health)
- Early-career professionals feeling stuck or uncertain
- Anyone curious about **AI, innovation, and new-age careers**
- Learners who want **direction, not just information**

No prior technical background is required.

Our Approach

- **Beginner-friendly & practical**
- Focused on **thinking, adaptability, and skill-building**
- Real examples from healthcare and industry
- Interactive sessions with doubt-clearing
- Recordings provided so learning never stops

The Bigger Vision

At **Dreams Over Degrees**, we believe:

*Careers should be driven by skills, curiosity, and purpose — not just degrees.
we turn Knowledge into opportunity.*

EVOLVE is the first step in helping students **reimagine their potential**, explore unconventional paths, and confidently step into the future of work.