

Best Practice 2:

Title: Carving Competent Dental Professionals

Objective:

AMC Dental College (AMCDC) constantly monitors and recognises challenges that a freshly pass out student is likely to face. **AMCDC aims to train student with all necessary training that prepares him for global challenges.** Institute has created and refined multiple avenues to train dental professionals who:

- Are ethical in their practice
- Provide globally competent dental care
- Undertake innovation driven research on their own
- Caters to diversified community
- Collaborate with other disciplines and industry

Context:

- Dentistry is rapidly moving from undiscipline to multidiscipline branch.
<https://www.dentaleconomics.com/macro-op-ed/technology-trends/article/14197059/medical-and-dental-data-integration-how-can-this-become-a-reality>
- Dentistry has constant upgradation in its technology.:
<https://healthtechmagazine.net/article/2021/08/4-technologies-transforming-field-dentistry-perfcon>, <https://www.expresshealthcare.in/news/how-technology-is-transforming-dental-industry/431583/>
- Training in rural setup during training years may improve interest working in Rural area.:
<https://pubmed.ncbi.nlm.nih.gov/22942149/>
- Institutional research in dentistry is shifting from academic interest to quality and product driven.: <https://www.dnaindia.com/delhi/report-aiims-to-build-new-age-dental-research-centre-2596010>
- Start-ups are symbol for entrepreneurial excellence in new generation.:
<https://yourstory.com/2022/04/dentists-d2c-startup-creating-eco-friendly-oral-care>,
<https://economictimes.indiatimes.com/tech/funding/dental-startup-toothsi-raises-40-million-funding-led-by-eight-roads-ventures-and-others/articleshow/91251900.cms?from=mdr>

Practice Itself



Steps taken are as below.

- **Integrated Curriculum** providing holistic training.
 - Interdisciplinary/Interdepartmental courses and trainings.
 - Organising Value added, Add-on and capability enhancement programs.
 - Integration of topics on professional ethics and research ethics.
- Constant **upgradation of training infrastructure**.
- Providing **diversified clinical training**.
- Creating **vibrant research environment**.
- Promoting **student research**.
- Creating an **incubation centre**.
- Extension and outreach activities providing **training in diversified community**.
- **Meaningful MOUs for collaborative activities**.
- Encouraging students to take up **entrepreneurial and leadership roles**.

Evidence of Success

- **100% courses** taught are **interdisciplinary/interdepartmental in nature**.
- **72% students** enrolled in various **value-added programs in last 5 years**.
- **70% students** enrolled in various **addon programs in last 5 years**.
- Professional Ethics in dentistry is taught across all the programs as part of syllabus.
- AMCDC **constantly upgrades its infrastructure to most advanced technology available**.

- Classrooms and seminar rooms
 - Smart boards and A/V tools.
- Clinical setup for Patient Care
 - Dolphin 3D simulator
 - CBCT (<1mm slice thickness)
 - Intra oral scanner
- With **OPD of over 2lakh patients/year**, students learn diversified patient care.
- During **COVID-19 pandemic** AMCDC was the **first dental college to train its students and give opportunity to serve in community**.
- **7 speciality clinics** have been established for specialised training.
- Institute has **registered Institutional Ethics Committee** competent of **registering clinical trials**.
- Institute has been organising **Intern student research program SHOWCASE** since **2017**.
- Establishment of an **incubation cell, 'Innovation Nexus'** in **2021**.
- AMCDC contributes at **9 satellite clinics and 2 adopted villages** .
 - **961 extension and outreach activities** carried out and **91.57% students trained** for community service in **last 5 years**.
- Institute has **76 active MOUs** with international/national institutes and industry partners.
 - **135 collaborative activities in last 5 years**
 - In **2023 AMCDC signed an International academic and research collaboration with Penn Dental Medicine, University of Pennsylvania**.
 - **First institute in Gujarat** and second in India.
- AMCDC encourages formation of **student's driven and administered activity driven clubs**.
 - Hustlers
 - Cover 2 Cover
 - Students are **member in institutional committees representing students' view**.
 - Internal Quality Assurance Cell (IQAC)
 - Student Council.

Problems encountered:

- AMCDC **strictly adheres to syllabus** given by Dental Council of India and Gujarat University. This allows very **little possibility for curriculum flexibility**.