## **Best Practice 2:**

#### **Title: Carving Competent Dental Professionals**

## **Objective:**

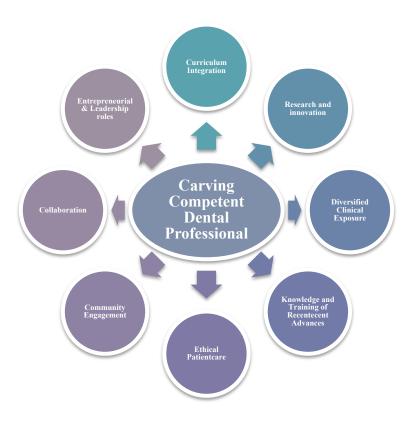
AMC Dental College (AMCDC) constantly monitors and recognises challenges that a freshly pass out student is a likely to face. **AMCDC aims to train student with all necessary training that prepares him for global challenges.** Institute has created and refined multiple avenues to train dental professionals 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. <u>https://www.dentaleconomics.com/macro-op-ed/technology-trends/article/14197059/medical-and-dental-data-integration-how-can-this-become-a-reality</u>
- Dentistry has constant upgradation in its technology.: <u>https://healthtechmagazine.net/article/2021/08/4-technologies-transforming-field-dentistry-</u> <u>perfcon, https://www.expresshealthcare.in/news/how-technology-is-transforming-dental-</u> <u>industry/431583/</u>
- Training in rural setup during training years may improve interest working in Rural area.: <u>https://pubmed.ncbi.nlm.nih.gov/22942149/</u>
- Institutional research in dentistry is shifting from academic interst to quality and product driven.: <u>https://www.dnaindia.com/delhi/report-aiims-to-build-new-age-dental-research-centre-2596010</u>
- Start-ups are symbol for entrepreneurial excellence in new generation.: <u>https://yourstory.com/2022/04/dentists-d2c-startup-creating-eco-friendly-oral-care,</u> <u>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</u>

#### **Practice Itself**



Steps taken are as below.

- Integrated Curriculum providing holistic training.
  - o Interdisciplinary/Interdepartmental courses and trainings.
  - o 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.