



REPORT

Expert Session on 'Innovations and Opportunities in Healthcare and Medical devices'

ATAL INCUBATION CENTER
GUJARAT TECHNOLOGICAL UNIVERSITY

**INNOVATIONS & OPPORTUNITIES IN
HEALTHCARE AND MEDICAL DEVICES**

Experts for Interaction

Dr. Jawahar Jethwa
Dr. Jawahar Jethwa Orthopaedic Hospital,
Ahmedabad

Dr. Chirag Patel
PramukhSwami Medical College
Karmsad

D.L. Pandya
CEO, Pandya & Associate & Medical Plastics Data Service

June 19, 2019
Old IIT Shed 4, B/H GTU Admin Block,
Nr. VGEC, Chandkheda

About the Session:

Atal Incubation Center of GTU has organized 'Expert Interaction Session on Innovations and Opportunities for Healthcare and Medical Sector' for Start-ups, Innovators and budding entrepreneurs.

Invited Experts:

1. **Dr. Jawahar Jethwa**, *Consulting orthopaedic surgeon, Jawahar Jethwa Orthopedic Hospital, Ahmedabad since 1984. & Associate Prof. of Orthopaedics at AMC MET Medical College Ahmedabad & visiting faculty of various Hospitals.*
2. **Dr. Chirag Patel**, *Professor, Microbiology, Shree Krishna Hospital and Pramukh Swami Medical college, Karamsad, Gujarat. About 12 years of experience as Infection preventionst, Clinical Microbiologist, faculty and guide for MBBS and MD students in medical college, expert for equipment calibration.*
3. **Mr. D L Pandya**, *CEO, Pandya & Associates & CEO & Editor, Medical Plastics Data Service* With more than 35 years' experience including successful entrepreneurship as well as Technical, Management and Market Research consultancy services for Medical Plastics / Medical Devices / Medical Disposables industries.

23 Start-ups/ Innovators have attended this Expert Interaction sessions to get insights on Innovations & Opportunities in Healthcare and Medical Devices.

Key highlights of the Session:

- Innovations & Emerging Opportunities in Healthcare Sector
- Business for Tomorrow for Medical Devices : Issues and Concerns

Mr. DL Pandya gave a glimpse on the business for tomorrow in Medical Devices sector. He highlighted that there lies an ample opportunity for innovators in consideration to exponential increase in Technology Evolution. He gave emphasis on the fact that 70% of Medtech innovations in U.S. are developed with involvement of Medical professionals in this field. He also suggested that analysis in low profit vs high profit business opportunities widens the scope for newer innovations and business prospects for start-ups/innovators in this field.

He also threw light on various opportunities in Medical Devices that can arise from:

- Changing disease pattern as one of the growth driver for opportunity
- Opportunity to tap on High margin Medtech Innovations(70 % of which are imported in India) as compared to Low cost Medtech Innovations (that are manufactured locally and imported to nearby countries)
- Market potential for Surgical plastics and similar innovations for developing implants

Dr. Jawahar Jethwa, showcased the emerging technologies in healthcare sector. He briefed on opportunities for start-ups/innovators to tap in manufacturing of screws for dental/orthopaedic surgeries. He gave a glimpse on new trends in healthcare sector alike Bio printing, 4D prototyping, bio electronics, implants & educational system using Artificial Intelligence. He emphasized on tremendous problem from supply of low cost substandard products faced by surgeons. He suggested to organize a GTU talk for innovators in large numbers as similar practiced in TED talk events.

Dr. Chirag Patel highlighted on opportunities in Digital based healthcare – Medical apps for healthcare check- up, diagnostics, Robotics. He introduced about the concept of Smart hospitals with centralized data management & applications of sensors in wide kind of Medtech innovations.

Dr. Rohit Shah, Orthopaedic Surgeon, Ahmedabad also interacted with participants & suggested that prevention is much suggested than attentive to control over infections during operations.

Glimpse of the Event:



Way forward:

- Signing of MoU with Dr. Kalam Institute of Health Technology/Atal Incubation Center (Andhra Pradesh Medtech Zone Ltd.), Visakhapatnam