

About Institute

LDCE, Ahmedabad is a premier engineering college in Gujarat State established with the objectives of imparting higher education in various fields of engineering. The institute is affiliated to Gujarat Technological University, approved by AICTE and administered by Directorate of Technical Education, Gujarat State. Sheth Shri Kasturbhai Lalbhai established the institute in 1948 with generous donation. It is situated adjacent to Gujarat University and at nucleus of various national level institutes like PRL, ATIRA, ISRO, IIMA, etc. At present the institute offers 14 Undergraduate, 17 Post graduate and 4 part time engineering programs.

The living legacy of Lalbhai Dalpatbhai campus has been carried on through its 7 decades of noteworthy national and international credentials in its curricular, co-curricular and extra-curricular activities. We have been adopting cutting edge Teaching-Learning & Evaluation practices that are delivered by our highly qualified and experienced faculty. The academics are backed by well-equipped laboratories and state of the art infrastructure. Three programs of Civil, Mechanical and Electrical are NBA accredited and two more are well on their way for accreditation.

About Biomedical Department

The Department of Biomedical Engineering has been functioning from 2004. It offers Undergraduate degree program in Biomedical Engineering. Our Vision is to become a driving force in current era of medical innovations where biomedical engineering plays pivotal role in improving healthcare of human beings. The department has well-equipped, state-of-the-art laboratories including Diagnostic Instrumentation, Therapeutic Instrumentation, Biomedical Sensor Lab, Analog and Digital Electronics Lab, Embedded System Lab, Biomedical Signal & Image Processing Lab.

We have well qualified and experienced Faculty. The department works for the overall development of students by regularly organizing workshops, expert lectures, Industrial visits and other technical and non-technical activities. The students are employed in industry, hospitals, research facilities of educational and medical institutions within an India & abroad.

About AICTE – ATAL

All India Council for Technical Education (AICTE) through its newly established AICTE Training and Learning (ATAL) academy have started unique faculty development program in various thrust areas of modern technology, 1000 such programs have already been conducted in various government institutes benefiting around 1 lakh faculties, Research scholars and PG Students during FY 20-21. Seeing the success of this initiative, AICTE- ATAL have announced to organize more number ATAL FDPs across the country for FY 20-21.

Organizing Committee

Chief Patron: Prof. (Dr.) R.K. Gajjar
Principal, LDCE

Coordinator: Prof. (Dr.) K.B. Bhoyania
HOD, BME Department

Co-coordinator: Prof. Utkarsh Pancholi
Asst. Prof., BM Dept.
Prof. Bhavin Mehta
Asst. Prof. BM Dept.



**L.D. COLLEGE OF ENGINEERING
Ahmedabad, Gujarat, India.**

Organizing a

**Faculty Development Program
(Online Mode)**

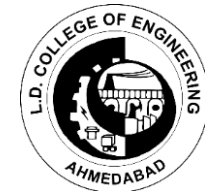
on

**“Emerging Technologies in
Healthcare: IoT/ Wearable Technologies,
AI, Computational Neuroscience”**

(18th January – 22nd January, 2021)

**Sponsored By
AICTE, New Delhi
Under**

**AICTE Training & Learning (ATAL)
Academy**



Organized By-

**Department of Biomedical Engineering
L.D. COLLEGE OF ENGINEERING
Ahmedabad, Gujarat, India
Website: www.ldce.ac.in**

Course Objective

To provide knowledge to the participants regarding IOT and Artificial Intelligence (AI) techniques in biomedical engineering ranging from decision support systems for diagnosis disease.

To unfold various research areas related to Bio-3D Printing, wearable technology and computational neuroscience to provide opportunity to contact with experts in the related areas. Provide sound mathematical and theoretical prerequisites necessary for carry out research in this field.

Topics to be Covered:

- Artificial Intelligence in Healthcare
- IOT/ Wearable Technology
- Novel materials for biomaterial
- 3D Printing & Design for Biomedical Implants
- Computational Neuroscience.

Resource Persons

1. Dr. Mukesh Doble, Professor (Emeritus), IIT Madras
2. Dr. Uttama Lahiri, IIT Gandhinagar
3. Dr. Tapan Kumar Gandhi, IIT Delhi
4. Dr. Nithin V. George, IIT Gandhinagar
5. Dr. Krishna P. Miyapuram, IIT Gandhinagar
6. Dr. Rajesh Vasita, CUG, Gandhinagar
7. Dr. Ashish Phophlia, IIIT Vadodara
8. Dr. Abhishek Appaji, BMS, Bangalore
9. Mr. Kalpesh Patil, Lead Data Scientist, Biosense Technology, Mumbai
10. Mr. Ishan Vyas, Regional Technical Manager, CADFEM
11. Mr. Aslam Maniyar, CADFEM

Eligibility

This FDP is useful for engineers of different disciplines aspiring towards research & development in the field of Biomedical Engineering and its applications. The course will be most beneficial for

- Faculty members from academic and research institutions
- Engineering post graduates (M.E/M.Tech in Biomedical Engineering, Medical Electronics, Instrumentation and Control Engineering)
- Aspiring researcher in the multidisciplinary streams under Biomedical engineering and allied fields.
- Biomedical Professionals from Industry

Important Dates

Last date of Registration: 10th January 2021

Intimation of Confirmation: 13th January 2021

Commencement of Program: 18th January 2021

- ❖ A test shall be conducted by organizing Committee at the end of the program.
- ❖ E-certificate shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

Registration Details

Number of participants is limited to 200.
(Participants will be selected on first come first serve basis)

There is no registration fee from any participants

Faculty members of Degree/Diploma courses (GoG) have to register through TNA Portal and get necessary approval process.

Registration Procedure:

1. Registration for FDP to be done online using login on the following link.
<https://atalacademy.aicte-india.org/login>
2. Click on the General Details tab on the left side of the page.
A list of Workshops (FDPs) will be listed here, among all of them.
Select → State → Gujarat → Select Month → January → Thrust area → Engineering → Selected online. Then Select “Emerging Technologies in Healthcare” with application no: 1583760232 and click on apply

Address for Correspondence

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