

NATIONAL SEMINAR

on

“IMPLEMENTATION OF ARTIFICIAL
INTELLIGENCE IN DIGITAL
THERAPEUTICS FOR CLINICAL
DEVELOPMENT: TRANSFORMING
THE PRACTICE OF MEDICINE”

04.04.2024

REGISTRATION FORM

1. Name :
2. Designation :
3. Organization :
4. Qualification :
5. Department:
6. Address for Correspondence :
7. Mobile number:
8. E-mail :

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by rules and regulations governing the course. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the coordinator in case I am unable to attend the course.

Date:

Place:

Signature of the applicant

ORGANIZING COMMITTEE

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Vellalar Educational Trust

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Technology

CONVENER

Dr.S.Mangai

Professor & Head

Department of Biomedical Engineering
Velalar College of Engineering and
Technology

ORGANIZING SECRETARY

Dr.S.Sudha

Assistant Professor/BME

ORGANIZING COORDINATORS

Mrs.M.Sharmila

Assistant Professor/BME

Mr.R.Saravanakumar

Assistant Professor/BME



BOARD OF RESEARCH IN NUCLEAR SCIENCES (BRNS)

SPONSORED NATIONAL SEMINAR

on

“IMPLEMENTATION OF ARTIFICIAL
INTELLIGENCE IN DIGITAL
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DEVELOPMENT: TRANSFORMING
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04.04.2024

Department of Biomedical Engineering
(Accredited by NBA under Tier I)



VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY (Autonomous)

(Accredited by NAAC with 'A+' Grade)

Phone: 0424-2244201 to 204 and 206.

Email: vcetbiomedical@gmail.com

Website: www.velalarengg.ac.in

Thindal (PO), Erode-638012, TamilNadu.

ABOUT THE INSTITUTION

Velalar College of Engineering and Technology, Erode, Tamilnadu is a self-financing co-educational institution established in the year 2001 through the vision of Vellalar Educational Trust. The college is approved by AICTE, NewDelhi, affiliated to Anna University, Chennai and Accredited with 'A+' Grade by NAAC. It is an autonomous institution since 2016. VCET offers ten UG programmes (B.E - BME, Civil, ECE, EEE, Mech, MDE, CSE(AI&ML), B.Tech.IT, AIDS) & Four PG programmes (M.E - CSE, BME, AE & MBA). Six UG programmes B.E - BME, CSE, ECE, EEE, Mech & B.Tech IT are accredited by NBA under Tier-I.

The Departments of BME, ECE, EEE, Mech, Mathematics, Physics are recognized research centers of Anna University, Chennai. VCET maintains a consistent placement record of more than 90% over the passed years. The college has signed memorandum of understanding with many leading corporate and multinational companies. The State - of - Art incubation and innovation centers at VCET adds value to the students core competence.

ABOUT THE DEPARTMENT

The Department of Biomedical Engineering was established in the year 2005 with undergraduate programme in Biomedical Engineering and started PG Biomedical Engineering in the year 2022. The Department is well equipped with laboratories such as Biochemistry Lab, Physiology Lab, Pathology Lab, Diagnostic and Therapeutic Equipment Lab, Biomedical Instrumentation Lab, Devices & ICs Lab, Signal and Image Processing Lab to upgrade students practical knowledge.

ABOUT THE SEMINAR

Artificial intelligence (AI) has the potential to revolutionize healthcare by improving patient care and quality of life. AI can be integrated into clinical practice to improve disease diagnosis, treatment selection, and clinical laboratory testing. AI technologies, such as diagnostic algorithms, can serve as valuable decision support tools, assisting clinicians in complex diagnostic scenarios and reducing the likelihood of errors.

Digital therapeutics (DTx) is a new species of digital health that uses software, mobile, or connected solutions to prevent, manage, and treat a broad range of diseases and disorders. AI, NLP, and ML have reached the critical milestones needed to create large-scale digital therapy solutions. This seminar is aimed at honing the teaching and research skills of faculty, researchers and industrial persons in the field of modern health care. The seminar will provide a comprehensive and up-to-date overview of the current state of AI in clinical practice, including its potential applications in disease diagnosis, treatment recommendations, and patient engagement.

BRIEF CONTENT OF THE PROGRAM

- Digital Therapeutics in modern medicine Post covid era
- Implementation of AI in Health care Diagnostics and treatment of disease
- Barriers and Challenges in Implementation of Digital Health care
- Future perspectives in digital Health care

OUTCOME OF THE SEMINAR

- The main outcome of the seminar is to enrich knowledge, opportunities and a collective commitment to advancing healthcare through the integration of digital therapeutics.
- Integrating AI in health care will enhance accuracy and uncover insights that might be challenging to obtain through conventional techniques.

WHO CAN PARTICIPATE ?

This seminar is open to Research Scholars, Academicians and Industry Professionals.

IMPORTANT DATES

Last Date of Submission : **20.03.2024**

Notification of Selection : **22.03.2024**

HOW TO APPLY

FREE REGISTRATION

<https://forms.gle/cCEjGAYr3hrfoPU9A>

(LIMITED PARTICIPANTS)

The duly filled registration form should be sent to the Organizer on or before the last date

ADDRESS FOR COMMUNICATION

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