

The Charutar Vidya Mandal (CVM) University G H Patel College of Engineering & Technology

Department of Electronics & Communication Engineering

Organizing

Academic Enrichment Programme

on

From Brain to Bot: Cognitive Neuroscience and Generative AI for Next-Generation Teaching & Research

22nd ~ 27th June 2026 (Hybrid Mode)



Vallabh Vidyanagar – 388 120 (Gujarat)

www.gcet.ac.in || Phone: 02692-231651

About University:

The Charutar Vidya Mandal (CVM) University, Vallabh Vidyanagar, Gujarat, is a leading University of state, having a strong lineage of Pre-Independence era (1945 onwards) (Managed and Sponsored by one of the oldest Trusts of Gujarat - Charutar Vidya Mandal) with a vision of Sardar Vallabhbhai Patel, established under the Gujarat Act No. 8 of 2009, Government of Gujarat. University Grants Commission (UGC), Govt. of India has empowered the CVM University to award Degrees under Section 22 of UGC Act 1956. CVMU's legacy of knowledge aims to enlighten future generations by inspiring innovation and forward-thinking for a better tomorrow. Spread across 650+ acres, the university offers modern infrastructure, global collaborations, and an innovation-driven environment. Recognized with top ratings by GSIRF, CVM University emphasizes interdisciplinary learning, community engagement, and student-centric growth. It stands as a dynamic hub where tradition meets modernity - cultivating leaders, innovators, and global citizens of tomorrow.

About Institute:

G H Patel College of Engineering & Technology (**GCET**) was established in 1996 as one of the premier self-financed institutes in the state of Gujarat, as per the norms of the AICTE. GCET was affiliated with Sardar Patel University from the year 1996 to 2008, Gujarat Technological University from 2008 to 2020, and since the academic year 2020-21, has been a constituent college of the **Charutar Vidya Mandal University (CVMU)**. Currently, the institute is running with eleven (11) disciplines at the undergraduate level and six (06) at the postgraduate level. Five undergraduate programs of the Institute are NBA-accredited until June 2028. Today, with its highly competent and dedicated pool of faculty members, excellent infrastructural facilities with ultra-modern laboratories, students' quality, teaching-learning, placement, industry interface, and on several other parameters, GCET has become one of the preferred destinations for undergraduate and postgraduate engineering studies in the state of Gujarat.

About Department:









The Department of Electronics & Communication was started in 1997. offers two four-year UG programs—Electronics and Communication Engineering and Information Communication Technology, and a two-year PG program—Embedded Systems. Right from its inception, it has continuously strived to impart quality education and promote competitive spirit among students for academic excellence. The department has well-equipped laboratories with good infrastructure and highly qualified as well as experienced faculties. The department has organized various international conferences, workshops, and seminars for the benefit of engineering students, faculty members, and professionals. Department received AICTE – MODROB grant for IoT & WSN laboratory, and R&D project grant worth rupees 20 lakhs from various agencies like GUJCOST and CSIR. **The Department has been accredited by NBA since 2015 till June 2028.**

About Academic Enrichment Programme:

With the rapid advancement of Generative Artificial Intelligence (GenAI) and increasing insights from Cognitive Neuroscience, higher education must evolve to align teaching, learning, and research practices with an understanding of how the human brain learns and how intelligent systems generate knowledge. In line with the objectives of NEP 2020, which emphasizes interdisciplinary learning and emerging technologies, this academic enrichment program focuses on innovative pedagogy, faculty competency enhancement, and research orientation. The program aims to bridge theoretical foundations with practical perspectives, enabling participants to explore real-world applications of GenAI and Cognitive Neuroscience across diverse domains. It also provides exposure to recent developments and emerging trends that are shaping the future of intelligent systems and technology-enabled learning. Furthermore, the program seeks to equip participants with the knowledge and skills required to effectively integrate concepts of GenAI and Cognitive Neuroscience into teaching practices, research initiatives, and professional applications.

This initiative ultimately aspires to foster interdisciplinary understanding, encourage innovative thinking, and prepare educators and researchers for the evolving landscape of intelligent and brain-inspired technologies.

Course Content:

-  Foundation of Cognitive Neuroscience: Understanding the Human Mind
-  Neuroscience-Inspired AI: From Brain to Machine
-  Generative AI: Concepts, Models, and Applications
-  Multimodal Gen AI: Text, Image, Audio, and Video Integration
-  Cognitive Framework: Secure Sharing of Data and Eco Systems
-  GenAI and Cognitive Neuroscience: Industry Exposure
-  AI in Teaching & Research: Academic Applications
-  Ethics, Future & Faculty Innovation: Responsible and Future-Ready AI

Target Participants / Eligibility

Faculty members working in AICTE-recognized institutions, University Departments, and Research scholars.

Test and Certificate

Test will be conducted at the end of the program. e-certificate will be issued to participants who acquire minimum **80% attendance in Hybrid mode** and score **60% marks in test**.

Feedback is also mandatory to get the e-certificate.

How to apply

Please note that **No Registration Fees**. However, registration is compulsory.



SCAN TO REGISTER

IMPORTANT DATES

Last date of Registration: **18/06/2026**

Intimation via E-mail: **20/06/2026**

AEP/FDP Duration: **22 ~ 27, June, 2026**

All sessions will be conducted on Microsoft Teams for online participants.

FOR FURTHER DETAILS CONTACT

Convener

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Resource Persons

Eminent personalities with expertise in related fields from IIT's, NIT's, and industry experts, along with our own stakeholders, will form the core faculty for delivering theoretical exposé and skill based practical sessions.