Faculty Development Programme
on
"Industry 5.0: Human-Centric Technologies and MultidisciplinaryApplications"

Jointly Organized By

Association of Indian Universities (AIU)

G S F C UNIVERSITY
EDUCATION RE-ENVISIONED

GSFC University
Academic and Administrative
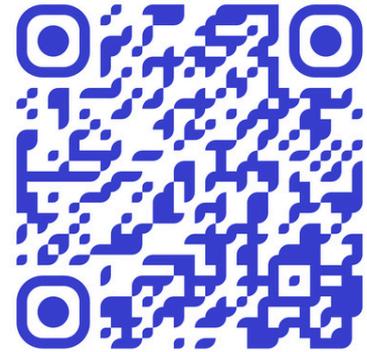Development Centre (AIU-GSFCU-AADC)

📅 **DATES: 1ST TO 5TH DECEMBER 2025**

🕐 **TIMINGS: 2:00 P.M TO 5:00 P.M**

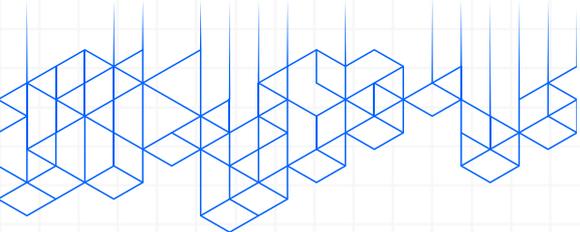🏢 **MODE: HYBRID**

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*NO REGISTRATION FEE

CONTACT DETAILS:
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Sr. Assistant Professor GSFC University, Vadodara, Gujarat
Email id swati.saxena@gsfcuniversity.ac.in
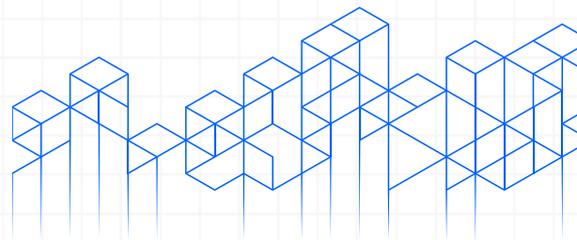**Contact no.** 9825177310

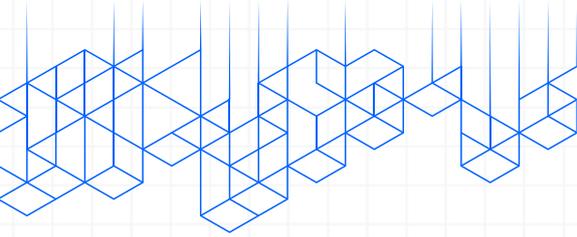## ABOUT THE ASSOCIATION OF INDIAN UNIVERSITIES (AIU)

The Association of Indian Universities (AIU), originally established as the Inter-University Board (IUB) in 1925, is the apex body coordinating Indian universities to promote collaboration in education, culture, and allied fields. Legally registered in 1967 and renamed AIU in 1973, it now includes all types of Indian universities and international associates. Through initiatives like the Academic & Administrative Development Centres (AADC), AIU continues to drive academic leadership, institutional development, and capacity building across the higher education landscape

ABOUT GSFC UNIVERSITY

GSFC University is recognized under the Gujarat Private University (Second Amendment) Act, 2014 and is established by the GSFC Education Society - an initiative of Gujarat State Fertilizers and Chemicals Ltd, six decades old industrial giant, to continue the tradition of serving the community in multiple ways. The vision behind establishing this distinct University is societal development through relevant and cutting edge knowledge in frontier areas of professional growth.

GSFC University embraces the philosophy of "Buddhi Gyanen Shudhayanti," emphasizing the purification of mind and intellect through knowledge for success and compassion. It fosters strong industrial support, providing students hands-on training alongside classroom learning.

ABOUT THE FACULTY DEVELOPMENT PROGRAMME ON "INDUSTRY 5.0: HUMAN-CENTRIC TECHNOLOGIES AND MULTIDISCIPLINARY APPLICATIONS"
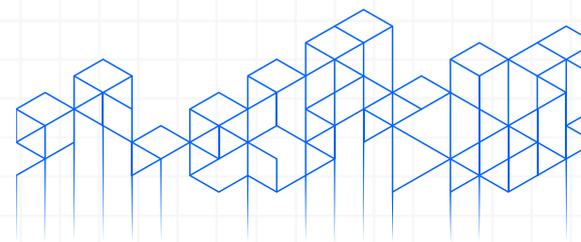
About The Faculty Development Programme (FDP) on "Industry 5.0: Human-Centric Technologies and Multidisciplinary Applications" aims to provide educators, researchers, and professionals with a comprehensive understanding of the emerging Industry 5.0 paradigm, which emphasizes collaboration between humans and intelligent systems.

Unlike Industry 4.0, which focuses primarily on automation and digital transformation, Industry 5.0 highlights the synergy of human creativity and advanced technologies such as Artificial Intelligence (AI), Robotics, Internet of Things (IoT), Augmented Reality (AR/VR), Cyber-Physical Systems, and Data Analytics to create sustainable, efficient, and personalized industrial ecosystems.

This FDP will serve as a platform for participants to:

- Explore the core principles and enabling technologies of Industry 5.0.

- Understand how human-centric innovation drives sustainable industrial growth.

- Gain insights into multidisciplinary applications across manufacturing, healthcare, education, and smart environments.

- Foster collaborative learning and research directions aligned with next-generation industrial and societal needs.

Through interactive sessions by experts from academia and industry, this FDP aims to inspire faculty members to integrate Industry 5.0 concepts into curriculum design, research, and applied projects, promoting innovation in both academic and professional ecosystems.

PROGRAM SCHEDULE

DAY 1
1ˢᵗ Dec

The Next Human–Machine Collaboration

Mr. Dishant Shah
CTO, Czar Metric System, Vadodara

DAY 2
2ⁿᵈ Dec

Application of IoT in Advanced Technology with Human Creativity and Critical Thinking

Dr. Samir B. Patel
Associate Professor, Department of Computer Science and Engineering
Pandit Deendayal Energy University

DAY 3
3ʳᵈ Dec

1)The Role of Human-Centric Systems, AI, and Robotics in Advancing Medical Technologies

2)Human-Centric Generative AI for Medical Image Synthesis

Prof. Mayuri Mehta
International Relations & External Affairs Officer Professor,
Department of Computer Engineering,
Sarvajanik College of Engineering and Technology,Surat

DAY 4
4ᵗʰ Dec

Secure Minds, Smart Machines: The Embedded IoT Core of Industry 5.0

Dr. Jignesh Patoliya
Sr. Engineer,
e-infochips (An Arrow Company), Ahmedabad

DAY 5
5ᵗʰ Dec

Human-Centric VLSI Design in the Era of Industry 5.0: Bridging Intelligence, Efficiency, and Sustainability

Dr.Dipesh Panchal
Physical Design Engineer,
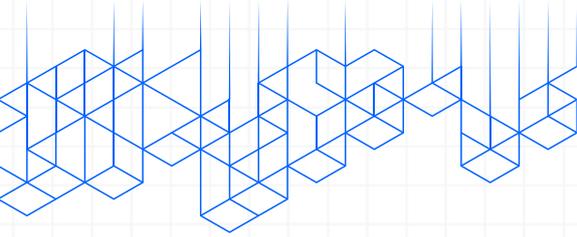e-infochips (An Arrow Company), Ahmedabad

Multidisciplinary Applications of Industry 5.0

Ms. Swati Saxena
Sr. Assistant Professor GSFC University, Vadoara.

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Shri P. K. Taneja, (IAS Retd.), President, GSFC University

PATRON:
Prof. G. R. Sinha, Provost, GSFC University

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