JAGADGURU KRIPALU UNIVERSITY

Kataka, Odisha, India • www.jku.edu.in

In Collaboration with Association of Indian Universities (AIU)

FACULTY DEVELOPMENT PROGRAMME (FDP)

AI FOR INDUSTRY 4.0

Empowering Educators with Robotics, Drone Technology, ChatGPT & AI/ML



27 – 31 OCTOBER 2026

FIVE DAYS • ACADEMIA + INDUSTRY

ORGANISED BY

AIU–JKU Academic & Administrative Development Centre (AADC)

ABOUT THE PROGRAMME

BRIDGING CLASSROOMS, RESEARCH & SMART INDUSTRY

A five-day Faculty Development Programme connecting emerging Industry 4.0 technologies with teaching, academic research, and industrial practice. Expert-led sessions explore Artificial Intelligence, Machine Learning, Robotics, Automation, Drone Technology, and Generative AI (ChatGPT), with strong emphasis on practical applications, responsible adoption, and future-ready skills.

05 DAYS	08 SESSIONS	04 THEMES	PRACTICAL FOCUS
27–31 Oct 2026	Academic + Industry	AI • Robotics • Drones	Teaching + Research

EXPLORE THE CORE THEMES

FOUR TECHNOLOGICAL PILLARS

01 | AI & MACHINE LEARNING

Industry implementation, predictive model development, Python ML/DL architectures, ethics, and applied AI.

02 | ROBOTICS & AUTOMATION

Smart factory automation concepts, industrial robotics applications, kinematics, and intelligent control systems.

03 | CHATGPT & GENERATIVE AI

Prompt engineering, generative AI workflows, cloud data strategy, and transformative educational applications.

04 | DRONE TECHNOLOGY

Unmanned Aerial Vehicle (UAV) fundamentals, policy frameworks, and emerging cross-sector industrial use cases.

✦ Designed for educators seeking to translate emerging technology into meaningful classroom learning and impactful research ✦

UNIVERSITY PROFILE & VISION

JAGADGURU KRIPALU UNIVERSITY (JKU), ODISHA

Jagadguru Kripalu University (JKU), Odisha, combines a modern learning environment with a deep focus on human values, multidisciplinary education, and holistic development. The University highlights industry-integrated learning, practical workplace experience, and the growing role of Artificial Intelligence across academic programmes.

100-ACRE GREEN CAMPUS

Eco-conscious, serene setting supporting academic excellence, innovation, and student well-being.

INDUSTRY-INTEGRATED

Practical experiential learning, live industrial projects, and direct workplace exposure.

HOLISTIC LEARNING

Synthesising intellectual growth with universal ethics, leadership character, and selfless service.

RESOURCE PERSONS & DAY-WISE PROGRAMME (DAYS 1–3)

EXPERT SESSIONS & AFFILIATIONS

DAY 01 TUESDAY • 27 OCTOBER 2026 | INAUGURAL & INDUSTRY FOUNDATIONS

Prof. (Dr.) Suman Bhattacharya Director, Kareer School & Head NextGen Learning; Head, Center of Innovation & Research (AI/ML); CEO, KIIT-NEST; KiiT & KISS University, Bhubaneswar; former Open Learning Global Head, TCS.	SESSION TOPIC **From Lab to Assembly Line: AI and its Evolution, Ethics & Employability**
Dr. Ritu Maity Senior Engineer, Training Department, Central Tool Room and Training Centre (CTTC), Bhubaneswar.	SESSION TOPIC **Artificial Intelligence and Machine Learning and Their Industry Implementation**
Prof. Somnath Majhi Assistant Professor, Central Tool Room and Training Centre (CTTC), Bhubaneswar.	SESSION TOPIC **Robotics and Automation**

DAY 02 WEDNESDAY • 28 OCTOBER 2026 | GENERATIVE AI IN ACTION

Mr. Kaliprasad Parida Assistant Professor, Central Tool Room and Training Centre (CTTC), Bhubaneswar.	SESSION TOPIC **ChatGPT and Generative AI**

DAY 03 THURSDAY • 29 OCTOBER 2026 | AERIAL TECHNOLOGY & POLICY

Dr. Pranay Kumar Industry Leadership & Policy, Bengaluru (Online Talk).	SESSION TOPIC **Drone Technology**

DAYS 1–3: LEARNING HIGHLIGHTS

KEY PROGRAMME MILESTONES

01 • AI IN PRACTICE

Connect AI evolution, ethical frameworks, and graduate employability with industrial use cases.

02 • BUILD & AUTOMATE

Explore practical AI/ML implementation pipelines alongside robotics and factory automation fundamentals.

03 • GENERATIVE & AERIAL AI

Discuss ChatGPT educational applications and emerging cross-sector drone technologies.

RESOURCE PERSONS & DAY-WISE PROGRAMME (DAYS 4–5)

CONTINUING THE FIVE-DAY LEARNING JOURNEY

DAY 04 FRIDAY • 30 OCTOBER 2026 | DEEP LEARNING & PYTHON IMPLEMENTATION

Dr. Aleena Swetapadma
Associate Professor & Associate Dean Research, School of Computer Engineering, KIIT University, Bhubaneswar, Odisha.

SESSION TOPIC
Python Implementation of ML & DL Models

DAY 05 SATURDAY • 31 OCTOBER 2026 | ENTERPRISE AI, ROBOTICS CONTROL & CLOUD

Dr. Prashant Kumar Panda (TCS)
Lead / Principal Data Scientist, Tata Consultancy Services (TCS), Bhubaneswar.

SESSION TOPIC
AI, Generative AI and Robotics Control

Darshan Kumar Satpathy
Senior Cloud Data Architect, Tata Consultancy Services (TCS), Bhubaneswar.

SESSION TOPIC
Generative AI, Data Strategy & Cloud Architecture

WHAT PARTICIPANTS CAN TAKE AWAY

PROGRAMME OUTCOMES

TEACHING & PEDAGOGY
Actionable ideas for technology-enabled teaching, interactive classroom learning activities, and modern student assessment.

ACADEMIC RESEARCH
New directions and methodologies for applied AI/ML, autonomous robotics, and high-impact interdisciplinary research.

INDUSTRY 4.0 RELEVANCE
Direct enterprise perspectives on real-world implementation, graduate employability, and cloud data strategy.

FUTURE-READY SKILLS
Deep awareness of emerging digital competencies, ethical governance, and responsible AI adoption in higher education.

WHO SHOULD ATTEND?

TARGET AUDIENCE

FACULTY MEMBERS
Educators across disciplines integrating emerging technologies into classroom teaching and assessment.

RESEARCHERS
Scholars exploring applied AI/ML, robotics, data science, and interdisciplinary research domains.

ACADEMIC LEADERS
Deans, HoDs, and academic leaders aligning university programmes with industry needs and future skills.

VENUE & CONTACT INFORMATION

CONNECT WITH US

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