ORGANISING COMMITTEE

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REGISTRATION FEE

200 Rsl/-

JANUARY
27th - 31st

REGISTRATION LINK

🔗 : https://forms.gle/gTLxgjkHhKaFZsef8

🌐

ONLINE PLATFORM

MICROSOFT TEAMS

https://teams.live.com/meet/9315545422597?p=qP88JvwEasRY8htOGy

QR CODE FOR PAYMENT

ABOUT THE FDP

Workshop Goals
- Demystify AI for participants
- Build conceptual clarity for faculty
- Provide industry-standard hands-on exposure for students
- Enable faculty to teach AI basics confidently
- Showcase real-world applications, including Indian context

Day 1 — Foundations of AI & Data Thinking

Session 1: Introduction to AI (3 hrs)
- Concepts: AI vs Automation, Narrow vs General AI
- Subfields: ML, Deep Learning, NLP, Computer Vision
- AI in daily life & Indian examples (UPI fraud detection, chatbots)
- AI Ethics: Bias, Hallucinations, Data Privacy
- Activity: Group discussion on AI in everyday life

Session 2: Data – The Fuel of AI (3 hrs)
- Data types, lifecycle, training vs testing data
- Conceptual understanding of overfitting & underfitting
- Overview of datasets & tools (Excel, Python, Kaggle)
- Hands-on: Explore Titanic dataset in Excel/Sheets

Day 2 — Machine Learning & Generative AI

Session 3: Machine Learning Basics (3 hrs)
- ML concepts, types (Supervised, Unsupervised, Reinforcement)
- Common algorithms: Linear Regression, Decision Trees, K-Means
- Model training flow & evaluation metrics
- Hands-on: Simple classifier using Teachable Machine / Orange ML

Session 4: Generative AI & LLMs (3 hrs)
- Generative AI & Large Language Models (LLMs) overview
- ChatGPT basics, prompt engineering, limitations & responsible use
- Hands-on: Prompt exercises for summarization, Q&A, teaching aids

Day 3 — Applications, Teaching AI & Future Roadmap

Session 5: AI Applications & Mini Projects (3 hrs)
- AI in education, healthcare, agriculture, finance, manufacturing
- Case studies (Indian context)
- AI project lifecycle & mini-project ideas
- Group Activity: Design AI solution proposals

Session 6: Teaching AI, Careers & Future (3 hrs)
- Teaching AI to beginners: concept-first, visual & no-code tools
- Curriculum integration across disciplines
- Career paths in AI & Data Science
- Learning roadmap, free resources, certifications
- AI regulations & ethics (India & global)

ABOUT THE DEPARTMENT

The Department of Artificial Intelligence & Data Science at BGSCET is dedicated to nurturing future-ready engineers in the rapidly evolving fields of AI, machine learning, deep learning, and data analytics. Established with a vision to integrate advanced technology with problem-solving skills, the department focuses on producing industry-ready and research-oriented professionals.

Vision & Mission:
Vision: Nurturing innovative minds for academic excellence with emphasis on technical knowledge for creating a value-based sustainable society

Mission:
M1: Developing practically trained skilled professionals to meet the demands of the corporate world.

M2: Creating an ecosystem of academic excellence through the best teaching-learning methods.

M3: Grooming professionals with high ethical values and ability to solve real-life problems.

RESOURCE PERSONS

Mrs. Divya V M
Developer
Neuriq Pvt. Ltd

Mr. Adithya
Developer
Neuriq Pvt. Ltd

Estd.2022

Organized By

BGS COLLEGE OF ENGINEERING & TECHNOLOGY (BGSCET)

(Approved By AICTE, New Delhi And Affiliated To VTU, Belagavi)
Mahalakshmipuram, Bengaluru-560086

PROGRAM CHAIR

Dr. G T Raju
Director, BGSCET

Dr. Ravikumar G K
Principal, BGSCET

CONVENOR

Dr. Parvathi. C
Prof. & HOD
Dept. of. AI&DS

27ᵗʰ-31ˢᵗ
January
2026

5 DAYS
FACULTY DEVELOPMENT PROGRAM (FDP)

Emerging AI Technologies:
From Machine Learning to Generative AI

Timings: 9 AM to 4 PM

HOSTING DEPARTMENT
Department of Artificial Intelligence & Data Science