



08 DAYS ONLINE FACULTY DEVELOPMENT PROGRAM ON GENERATIVE AI



About FDP :

THE FACULTY DEVELOPMENT PROGRAM (FDP) ON GENERATIVE AI EQUIPS PARTICIPANTS WITH IN-DEPTH KNOWLEDGE AND PRACTICAL SKILLS IN ADVANCED ARTIFICIAL INTELLIGENCE, EMPHASIZING GENERATIVE AI TECHNOLOGIES. IT FOCUSES ON EFFECTIVE DATA HANDLING, MODEL TRAINING, FINE-TUNING, AND EVALUATION TECHNIQUES TO ENSURE ROBUST AND RELIABLE AI APPLICATIONS IN DIVERSE RESEARCH SCENARIOS. BY THE END OF THE PROGRAM, PARTICIPANTS WILL GAIN THE EXPERTISE TO DEVELOP AND DEPLOY AI MODELS, APPLY THEM IN ACADEMIC WORK, AND PUBLISH INNOVATIVE RESEARCH IN HIGH-IMPACT JOURNALS.

ORGANIZED BY

DEPARTMENT OF
**ARTIFICIAL
INTELLIGENCE**
and
DATA SCIENCE

OUR SPEAKERS



**DR. S. PALANI
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ACADEMIC DIRECTOR (I/C)
ASSOCIATE PROFESSOR,
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DEPARTMENT OF AI&DS,
EGS PILLAY ENGINEERING
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COLLEGE OF INFORMATION
TECHNOLOGY,
UNITED ARAB EMIRATES
UNIVERSITY



**MR. SATHISH KUMAR
THANGAVELU**

MANAGER AND SCRUM MASTER
IN INFORMATION TECHNOLOGY
AT SBI, ANANDAPURAM COMPLEX
CHANNAYANA, TAMILNADU



MR. S. SUNDAR

SR FULL STACK
DEVELOPER,
ABU DHABI
UAE



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NATIONAL INSTITUTE OF
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MRS. S. AKILANDESWARI

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COLLEGE, TAMBAPAI

WHO CAN REGISTER ?

- PG STUDENTS
- RESEARCH SCHOLARS
- PROFESSIONAL FROM ACADEMY AND INDUSTRY

CONVENOR

DR. S. PALANI MURUGAN
(ACADEMIC DIRECTOR (I/C)
HOD | AI & DS | EGSPEC.)

CO-ORDINATORS

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REGISTRATION FEE

Rs. 250/-

Scan



REGISTRATION LINK URL

<https://forms.gle/Mk13nhT2YmURKsSa8>

LAST DATE FOR REGISTRATION
31ST DECEMBER 2024

ORGANIZING COMMITTEE

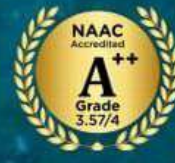
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B. NITHYASRI, III YEAR, B.TECH AI & DS

DESIGNED BY

S. MOHAMED SAFWAN
III YEAR, B.TECH AI & DS



#DREAMBIG
EGS PILLAY
 (AUTONOMOUS)
 NAGAPATTINAM - 611 002



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 ON GENERATIVE AI**

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**SESSION 1 :
 05.00 PM TO 06.30**

**SESSION 2 :
 06.45 PM TO 08.15**

Sessions

(SPEAKERS / TOPICS)

Day 1

02/01/2025

**1 INTRODUCTION TO GENERATIVE AI AND OPPORTUNITIES
 INDUSTRY EXPERT**

Day 2

03/01/2025

**2 BUILDING A GENERATIVE AI MODEL FROM SCRATCH
 DR. S. PALANIMURUGAN, Academic Director (i/c) | Associate Professor & Head, Department of AI&DS, EGSPEC, Tamil Nadu**

Day 3

04/01/2025

**1 UNSUPERVISED LEARNING
 DR. G. SARANYA, Assistant Professor, School of Computer Science and Engineering (SCOPE), VIT, Chennai**

Day 4

06/01/2025

**2 REINFORCEMENT LEARNING AND GENERATIVE AI
 DR. K. KUMARAN, Assistant Professor, School of Computer Science and Engineering (SCOPE), VIT, Chennai**

Day 5

07/01/2025

**1 DATA PREPARATION AND PRE-PROCESSING
 DR. M. BRAVEEN, Associate Professor, School of Computer Science and Engineering (SCOPE), VIT, Chennai**

Day 6

08/01/2025

**2 GENERATIVE ADVERSARIAL NETWORKS (GANS)
 DR. K. NAGALAKSHMI, Associate Professor, Department of Computer Science Engineering, SIT, Virudhunagar**

Day 7

09/01/2025

**1 IMAGE GENERATION AND MANIPULATION (HANDS-ON)
 INDUSTRY EXPERT**

Day 8

10/01/2025

**2 NATURAL LANGUAGE PROCESSING (NLP)
 DR. V. VANI, Assistant Professor, Department of Computer Science and Engineering, National Institute of Technology, Puducherry**

**1 AUTOREGRESSIVE MODELS
 DR. J. SUGANYA, Assistant Professor, Department of Computer Applications, SRM Institute of Science and Technology, Trichy**

**2 AUDIO AND MUSIC GENERATION (HANDS-ON)
 INDUSTRY EXPERT**

**1 RAG - RETRIEVAL AUGMENTED GENERATION
 DR. THANGAVELMURUGAN, Senior Member - IEEE | AP | Department of IT And Security, College of IT, UAE University**

**2 VIDEO GENERATION AND EDITING (HANDS-ON)
 INDUSTRY EXPERT**

**1 NEURAL NETWORKS AND DEEP LEARNING
 MR. S. SUNDAR, SR. Full Stack Developer, Abu Dhabi, UAE**

**2 PROMPT ENGINEERING BASICS (HANDS-ON)
 DR. S. PALANIMURUGAN, Academic Director (i/c) | Associate Professor & Head, Department of AI&DS, EGSPEC, Tamil Nadu**

**1 ETHICAL CONSIDERATIONS IN GENERATIVE AI
 DR. J. AMUTHA, Assistant Professor | Additional Head, Department of AI&DS, E.G.S. Pillay Engineering College, Tamil Nadu**

**2 FUTURE TRENDS AND CHALLENGES IN GENERATIVE AI
 MR. SATHISH KUMAR THANGAVELU, Manager and Scrum Master, Information Technology, Chattanooga, Tennessee, USA**