



**FACULTY DEVELOPMENT PROGRAMME on  
IMAGE FUSION: TECHNIQUES AND APPLICATIONS FOR ENHANCED VISUAL PERCEPTION**

(11th – 16th December, 2023)

Organized by Department of Electronics and Communication Engineering  
G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE  
(Autonomous) (For Women)

in association with AICTE Training & Learning Academy

6- Day FDP (December 11<sup>th</sup> – 16<sup>th</sup>) in OFFLINE mode from 9:30 AM TO 4:30 PM



Date & Time	9:00-9:30 AM	9:30-11:30AM	11:30 AM-1:30PM		2:30-4:30 PM
11-12-2023 (Monday)	Inaugural Function  Chief Guest <b>Dr. V.P.S. Naidu</b> Senior Principal Scientist CSIR, NAL- Bangalore	Fundamentals of Image Fusion and Preprocessing Techniques by <b>Dr. V.P.S. Naidu</b> Senior Principal Scientist CSIR, NAL- Bangalore	Image Enhancement and Transformation – Hands on Session on Big Image Data Processing by <b>Prof. U. S. N. Raju</b> Associate Professor, CSE, NIT Warangal	L	Multi-Sensor Image Acquisition and Preprocessing using Python By <b>Prof. U. S. N. Raju</b> Associate Professor, CSE, NIT Warangal
					2:30-4:30 PM
12-12-2023 (Tuesday)	Wavelet Transforms & Application in Image Fusion By <b>Dr. T Satya Savithri</b> Professor, ECE, JNTUH, Hyderabad		Deep learning for Medical Imaging analysis and Applications BY <b>Prof. Mohammad Farukh Hashmi</b> Assistant Professor ECE, NIT Warangal	U	Image Classification using Deep learning: A practical perspective using python By <b>Prof. Mohammad Farukh Hashmi</b> Assistant Professor ECE, NIT Warangal
13-12-2023 (Wednesday)	Reflection Journal  Article 1&2 Discussion		AI Enabled Creative Art using Image Fusion by <b>Dr. L. Pratap Reddy</b> Professor, ECE, JNTUH, Hyderabad	H	Travel visit Smart City Research Centre IIITH, Hyderabad
14-12-2023 (Thursday)	Introduction to Feature Extraction By <b>Dr. S. Suryanarayana</b> Professor & HOD, ECE, MVSR Engg College, Hyderabad		Decision-Level Fusion and Deep Learning for Image Fusion By <b>Dr. K. Anitha Sheela</b> Professor, ECE, JNTUH, Hyderabad	R	Application of Image Fusion in Surveillance by <b>Dr. C. Padmaja</b> Assistant Professor, ECE, GNITS
15-12-2023 (Friday)	Principal Component Analysis (PCA) for Fusion by <b>Dr. P. Hema Sree</b> Associate Professor, CVR College of Engineering, Hyderabad		Next Gen Camera and Imaging Systems by <b>N. Venkatesh</b> Senior Director, Silicon Labs Hyderabad	A	Intensity- Based Image Fusion & Hands on session using MATLAB/Python by <b>Dr. P. Hema Sree</b> Associate Professor, CVR College of Engineering, Hyderabad
16-12-2023 (Saturday)	Case Studies in Image Fusion by <b>Dr. C. N. Sujatha</b> Professor, ECE Department, SNIST, Hyderabad	9:30-11:30AM	Ethics, Values, Health & Happiness by <b>Dr. N.S. Murthy,</b> Professor, Vasavi College of Engg., Hyderabad.	E	2:30-3:00PM Visit Report (Team)
		11:30AM-1:30PM			3:00-4:00PM Feedback & Online Examination for Participants
					4:00-4:30PM Valedictory Function

## ELIGIBILITY:

- Faculty members of the AICTE approved institutions, Research Scholars, and Industry professional.
- External Participants (traveling more than 20KM one side to attend the FDPs) who attend at least 90% of the sessions shall be reimbursed with the cost of traveling, with an amount of Rs. 2000/-.
- Working lunch will be provided.
- Accommodation will be provided on request (on payment).

## REGISTRATION INFORMATION:

- Registration must be through ATAL portal.
- No registration fee.
- Max. No. of Participants: 50 Nos.
- First signup at <https://atalacademy.aicte-india.org/signup>
- After getting login, first fill General details: Any Identity proof (JPEG File) and NOC from present organization (PDF file).
- Select GNITS (December 11th – 16th) and APPLY.

## MODE OF DELIVERY: In house (OFFLINE).

## REQUIREMENTS TO GET CERTIFICATE:

Continuous Comprehensive Assessment of Candidates shall be carried out and e-certificate would be issued up in following aspects mentioned below.

- Attendance– minimum 80% attendance - (individual)- weightage 20%
- One assessment, combination of MCQs/short answer type/reasoning based, etc. - (Individual) - weightage10%
- 2 Page Article Summary/per Team - (Team & Individual) - weightage30%
- Teaching Practice -(Individual)-weightage15 %
- Report/outcome of Industrial visit- (Team) at the last session –weightage 10%
- Reflective journal - (Individual) - at the last session -weightage15%

**ROUTE:** The college is well connected by road, train and air. The college is located 13Km from Rajiv Gandhi International Airport, 9Km from Secunderabad Railway Station and 2Km from Jubilee Hills Check Post Metro Station.

## CHIEF PATRONS

**Shri G. RAGHAVA REDDY, Chairman**  
**Smt. G. SRIVIDYA REDDY, Vice Chairperson**  
**PATRON**

**Dr. K. RAMESH REDDY, Principal**

## CHIEF GUEST

**Dr. V P S. NAIDU,**

**Senior Principal Scientist CSIR, Bengaluru**  
**CONVENER**

**Dr .K. RAGINI, Professor, HOD-ECE, ECE**  
**COORDINATOR**

**Dr. C. PADMAJA, Assistant Professor, ECE**  
**CO-COORDINATOR**

**G. KRISHNA KISHORE, Assistant Professor, ECE**

## RESOURCE PERSONS:

**Resource persons from CSIR-Bangalore, Leading industry technocrats from industry and Professors of NIT, JNTUH and other reputed State Universities will deliver lectures and hands-on sessions.**

**Dr. V.P.S. Naidu, Senior Principal Scientist CSIR, Bengaluru**  
**Prof. U. S. N. Raju, NITW**  
**Dr. T. Satya Savithri, JNTUH**  
**Prof. Mohammad Farukh Hashmi, NITW**  
**Dr. L. Pratap Reddy, JNTUH**  
**Dr. S. Surya Narayana, MVSr, Hyderabad**  
**Dr. C. Padmaja, GNITS, Hyderabad**  
**Dr. K. Anitha Sheela, JNTUH**  
**Dr. P. Hema Sree, CVR, Hyderabad**  
**Dr. C. N. Sujatha, SNIST, Hyderabad**  
**N. Venkatesh, Senior Director, Silicon Labs, Hyderabad**  
**Dr. N.S. Murthy, Vasavi College of Engg., Hyderabad**

## IMPORTANT DATES:

**Last Date of Registration: 4<sup>th</sup> December '23**  
**Announcement of selected candidates: 6<sup>th</sup> December '23**

## SCHEDULE OF THE EVENT:

**December: 11<sup>th</sup>-16<sup>th</sup>, 2023**

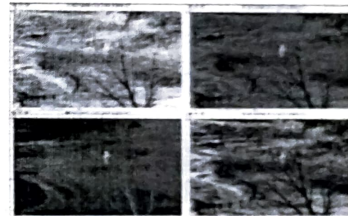


## AICTE TRAINING AND LEARNING (ATAL) ACADEMY

### SPONSORED

One Week **OFFLINE** Faculty  
Development Programme on

## “IMAGE FUSION: TECHNIQUES AND APPLICATIONS FOR ENHANCED VISUAL PERCEPTION”



**DECEMBER 11<sup>th</sup> -16<sup>th</sup>, 2023**

## Organized by

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<https://www.gnits.ac.in/>