

REGISTRATION

Interested participants are requested to fill the registration through the link. Registration fee will be accepted through the given Link.

<https://www.vitchennaievents.com>

Register Online @

<https://forms.gle/PB1wtoDUsoJCseWn6>

Registration Fee

VIT Students / Research Scholars	:	Rs.1000/-
Outside Participants	:	Rs.2000/-

Address for Communication

VAP on “MATLAB Digital Image Processing from Ground Up”

The Organizing Secretaries,
School of Computer Science and Engineering,
VIT University Chennai,
Vandalur - Kelambakkam Road,
Chennai - 600 127.

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VELLORE INSTITUTE OF TECHNOLOGY

VIT has made a mark in the field of higher education in India by providing quality education on par with international standards, through its 35 years of existence in a cross-cultural ambience with extensive application oriented research. VIT was founded in 1984 by Dr. G. Viswanathan, a former parliamentarian and Minister in the Tamil Nadu Government, as a self-financing institution called Vellore Engineering College. Since then, the institution has grown from strength to strength. Conferred as Deemed to be university in 2001 by MHRD, VIT Currently offers UG, PG and Research programmes to over 43,000 students in its four campuses at Vellore, Chennai, Bhopal and Amaravati

VIT CHENNAI

VIT Chennai is a globally engaged, competitive, comprehensive and research-enriched university campus strategically positioned in the capital city of Tamil Nadu, to respond to major industrial, social, economic and environmental demands and challenges. VIT Chennai is ably spearheaded by Mr. Sankar Viswanathan, Vice President, Ms. Kadhambari Viswanathan, Assistant Vice President, Dr.Rambabu Kodali, Vice Chancellor and Dr. V. S. Kanchana Bhaaskaran, Pro Vice Chancellor of VIT Chennai. They share in the mission to make VIT a global center. The focus is to:

- ✓ To maximize the Industrial connectivity
- ✓ To create Centres of Excellence in contemporary areas of research
- ✓ To enrich Technological and Managerial Human Capital nurtured in a multicultural ambience
- ✓ To provide a common platform for the agglomeration of ideas of personnel from various walks of life for learning enrichment
- ✓ To create opportunities and exploit the available resources to benefit industry/society
- ✓ To encourage participation in the National Agenda of knowledge building
- ✓ To foster International collaborations for mutual benefits in areas of research.

"Classes will be conducted Online due to Pandemic situation"



Value Added Program on “MATLAB Digital Image Processing from Ground Up”

6, 7, 13, 14, 20 March, 2021

Coordinators

Dr. S.Geetha, Professor
Dr. L. Jani Anbarasi, Assistant Professor (Sr)

Organized By

Imaging and Computer Vision Research Group
School of Computer Science and Engineering
Vellore Institute of Technology,
Chennai



VIT – A place to learn; A chance to grow

About SCOPE

The School of Computer Science and Engineering at VIT University was established for imparting a state of art education, training and research in the field of Computer Science and allied areas. It offers B.Tech, - CSE, CSE with specializations in AI & ML, Cyber Physical Systems, AI & Robotics, M.Tech - CSE, CSE with specialization in AI & ML, Big Data Analytics, and Cyber Physical Systems, MCA, 5 yr. Integrated M.Tech. - Software Engineering, Business Analytics & M.S (By Research), and Ph.D. programs in the domain of Computer Science and Engineering. The expertise of the faculty members includes Artificial Intelligence, Theoretical Computer Science, Data Mining, Cloud Computing, Big Data Analytics, Distributed Computing, Networks, Cyber Security, Software Engineering, Signal Processing, Image Processing, Speech Processing, High Power Clustering, Networks & all frontier areas.

About the VAP

DIP (Digital image processing) is the use of computer algorithms to create, process, communicate and display digital images. As MATLAB is a high-performance language for technical computing with powerful commands and syntax, it is widely used for the DIP. The main purpose of Digital Image processing(DIP) is that the result is more fit than the initial image for a particular use.. Digital image processing methods provide a number of choices for improving the visual quality of images (e.g. image enhancement, images segmentation, images registration). Suitable selection of such methods is considerably controlled by the imaging modality, job at hand and viewing conditions.

Who Shall Attend?

This value added programme is mainly intended for beginners (Academicians, Research Scholars & Students) who would like to learn Image Processing technique from basics to advanced so that it can be useful for solving complex real world problems

Topics

By the end of the course, you will be able to Perform Digital Image Processing using MATLAB like

- Increase clarity, and eliminate noise and other artifacts
- Obtain the size, scale, or number of objects in a picture
- Prepare images for display or printing
- Compress images for transfer across a network
- Learn M Function programming
- Perform Intensity Transformations
- Spatial Filtering
- Frequency domain processing
- Image Restoration and Reconstruction and Geometric transformations
- Color image processing
- Wavelets
- Morphological image processing
- Image segmentation
- Exposed to real time applications like face detection, object detection, image steganography, image encryption, watermarking etc.



Registration Form

**Value Added Program
on**

**“MATLAB Digital Image Processing from
Ground Up”**

Registration Fee:

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Outside Participants: Rs.2000

The participants can register in this link for Registration

<https://forms.gle/PB1wtoDUsoJCseWn6>

After the registration, Click this link <https://www.vitchennaievents.com>

and create an account by (Login<<Create New Account) to complete the online payment and receipt will be generated after successful transaction. Only the paid participants will be able to attend the VAP.

Last date for registration and Online Payment:

5th March 2021

Confirmation and the meeting details will be shared with the participants through the mail. The participants who attended all the sessions, online activities, and complete the feedback will receive the E-certificate.