# SAPTHAGIRI COLLEGE OF ENGINEERING

**ACADEMIC YEAR 2014-15**

Date: 12/03/2015

## CIRCULAR

All the Faculties are hereby informed about Computer Science and Engineering Department is conducting a Two days' Workshop on "**Image and video Processing on** 16$^{th}$ & 17$^{th}$ March 2015. Interested Faculties can register their names with Prof Veena K R, Assistant Professor and Prof Poornima G J, Assistant Professor.

For **HOD**

Copy to
1. The office of the Principal
2. HODs: CSE/ECE/EEE/IS/ME/CV/BT/PHYCHE/MATH

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

# Sapthagiri College of Engineering
## Department of Computer Science & Engineering

### Two days Workshop on "Image and Video Processing"
### On
### March 16th and 17th, 2015

**Programme Schedule:**

| Date/Day | Time | Event, Speaker & Topics Covered | Venue |
|---|---|---|---|
| 16/03/2015, Monday | 9:00 am -10:00 am | Registration | Academic Block Entrance |
| | 10:00 am -10:40 am | Inaugural Function | Academic Block : ALIB – 206 (2nd Floor) |
| | 10:40 am –11:00 am | Tea Break | Academic Block : ALIB – 201 (2nd Floor) |
| | 11:00 am – 1:00 pm | Lecture – 1: Dr. Jharna Majumdar <br> • Introduction <br> • Algorithm of Image and Video Processing – Part 1 | Academic Block : ALIB – 206 (2nd Floor) |
| | 1:00 pm – 2:00 pm | Lunch Break | Academic Block : ALIB – 201 (2nd Floor) |
| | 2:00 pm – 4:00 pm | **Hands-on Session: Dr. Jharna Majumdar & Team** | Faraday Block: BLAB - 201/1 & 201/2 |
| 17/03/2015, Tuesday | 9:00 am -10:30 am | Lecture – 2: Dr. Jharna Majumdar <br> • Algorithm of Image and Video Processing – Part 2 | Academic Block : ALIB – 206 (2nd Floor) |
| | 10:30 am -11:00 am | Tea Break | Academic Block : ALIB – 201 (2nd Floor) |
| | 11:00 am – 1:00 pm | Lecture – 3: Dr. Jharna Majumdar <br> • Advance Applications of Image and Video processing <br> • Demonstration on Embedded Board | Academic Block : ALIB – 206 (2nd Floor) |
| | 1:00 pm – 2:00 pm | Lunch Break | Academic Block : ALIB – 201 (2nd Floor) |
| | 2:00 pm – 4:00 pm | **Hands-on Session: Dr. Jharna Majumdar & Team** | Faraday Block: BLAB - 201/1 & 201/2 |
| | 4:00 pm – 4:10 pm | Tea Break | Academic Block . ALIB – 201 (2nd Floor) |
| | 4:10 pm – 4:30 pm | Valedictory function | Academic Block : ALIB – 206 (2nd Floor) |

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

## REGISTRATION FORM

### Two-day Workshop on
### "IMAGE AND VIDEO PROCESSING"

**March 16th & 17th, 2015**

Name: ..................................................................

Designation: .......................................................

Qualification: .....................................................

Experience (In Years)

    Teaching: ....................................................

    Industry: .....................................................

Address for communication:

..................................................................

..................................................................

..................................................................

Phone:...............................................................

Office:................................................................

Mobile:...............................................................

E-mail: ..............................................................

**Signature of the Participant**

**Signature of the Head of the**
**Organization/ Department/ Institute With Seal**

---

### Chief Patrons

**Sri Dayanand G.**
Chairman
**Sri G D Manoj**
Managing Director

### Patrons:
**Dr. Srinivasan N.**
Director

**Dr. M. Aswatha Kumar**
Principal

### Organizing Chair:
**Dr. C M Prashanth**
Prof. and Head
Mob : 9448185670
E-Mail : hodcse@sapthagiri.edu.in

### Organizing Coordinators :
**Mrs. Kamalakshi Naganna**
Associate Professor
Mob : 9880285725

**Mrs. Ancy Thomas**
Assistant Professor
Mob : 9901448270

**Location Map**

---

### Two-day Workshop on

# IMAGE AND VIDEO PROCESSING

**March 16th & 17th, 2015**

*Organized by :*
**Department of**
**Computer Science & Engineering**

**SAPTHAGIRI**
College of Engineering
Creating Tomorrow

## SAPTHAGIRI COLLEGE OF ENGINEERING
(Recognized by AICTE, New Delhi & Affiliated to VTU, Belgaum)
#14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru-560057. Phone No. 080-28372800/1/2/3
Fax: 28372797. www.sapthagiri.edu.in

## About College

There is a dearth of qualified engineers who are equipped to take on the challenges of the new economy. To help the country fulfill this need was born the "Sapthagiri College of Engineering (SCE)" in the year 2001, a college with a vision to shape up professionals in the field of technology. The brainchild of a group of visionary entrepreneurs, who have formed Sri Srinivasa Educational & Charitable Trust®, the trust also runs Sapthagiri Institute of Medical Science & Hospital and a 4 star deluxe hotel solitaire. SCE is on a mission to enable Indian Engineers to take our country to a global leadership status in technological development.

The institute is affiliated to VTU & recognized by AICTE. It offers B.E. in Computer Science & Engg, Information Science & Engg, Mechanical Engg, Electrical & Electronics Engg, Electronics & Communication Engg, Bio-technology, Civil Engg and M.Tech in Computer Science & Engg, VLSI & Embedded Systems.

## About the Department

The department of Computer Science & Engineering had its beginning in the year 2001. It currently offers Bachelor of Engineering (B.E) degree with an intake of 120, Master of Technology (M.Tech) degree with an intake of 24 in Computer Science & Engineering and also Ph.D program. The primary focus of the department is to produce highly competent IT professionals, who can be readily acceptable by the industry. To motivate and orient the students to achieve academic excellence, the technical workshops, expert lectures from eminent speakers, conferences and competitions are organized on a regular basis in addition to the regular class room teaching from highly dedicated team of faculty.

## About the workshop

Digital Image processing allows enhancement of image features of interest while attenuating details irrelevant to a given application and extract useful information about the scene from the enhanced image. Digital image processing offers advantages in cost, speed, and flexibility with the rapidly falling price and enhanced performance of personal computers. Digital image processing techniques are being extensively used in satellite imaging, aerial imaging, Medical imaging, Thermal imaging and Document imaging. Considering its wide range of applications, a workshop on Image and Video processing is expected to give impetus for its wide spread use in academic and research establishments.

## Pre-requisite

*   Knowledge of C/C++ Programming

## Contents

1.  Image & Video Processing

2.  Embedded Processing with hands on sessions.

## Objectives of the course

It is an opportunity to participants to learn:

*   The basics of "Digital Image & Video Processing" techniques and its application

*   Advanced Image & Video Processing

*   Technological advances and research results in the field of theoretical, experimental and applied Image Processing.

*   Bring together academicians, researchers & industrial experts to interact and discuss the topics on Digital Image & Video Processing.

## Resource Person:

**Dr. Jharna Majumdar**
Former Sc G DRDO
Dean R & D, Professor in Dept of CSE
NITTE Meenakshi Institute of Technology, Bangalore

## Who can Attend

*   The faculty members

*   PG students

*   Research scholars

Number of participants will be limited to 40. The selected participants will be informed of their selection by e-mail.

*   **Registration Fee:** For Faculty Rs. 400/-
    For Students Rs. 300/-

*   Last date for registration: 11/03/2015

*   Demand draft may be sent in favor of "THE PRINCIPAL, SCE" payable at Bangalore.

# SAPTHAGIRI COLLEGE OF ENGINEERING
## Department of Computer science
### Two day workshop on Image and Video Processing
### Attendance

| SLNo. | Name | College/Branch | 16-03-2015 FN | 16-03-2015 AN | 17-03-2015 FN | 17-03-2015 AN | Receipt No. |
|-------|------|----------------|----|----|----|----|----------|
| 1 | Ashwini Jeevangi | SCE | (sign) | (sign) | -AB- | | 237 |
| 2 | Chetan B S | SCE | -AB- | -AB- | -AB- | | 238 |
| 3 | Latha K | SCE | -AB- | -AB- | -AB- | | 239 |
| 4 | Naveen Kumar.T | SCE | (sign) | (sign) | -AB- | (sign) | 240 |
| 5 | Nethravathi.B | SCE | (sign) | (sign) | (sign) | (sign) | 241 |
| 6 | Praneetha G N | SCE | (sign) | (sign) | Pran | Pran | 242 |
| 7 | Raksha. R | SCE | (sign) | (sign) | (sign) | (sign) | 243 |
| 8 | Shalini D | SCE | (sign) | (sign) | (sign) | (sign) | 244 |
| 9 | Shanta Ambalgi | SCE | (sign) | (sign) | (sign) | (sign) | 245 |
| 10 | Sowmya Somanath | SCE | (sign) | (sign) | (sign) | (sign) | 246 |
| 11 | Srikanthagowda  R | SCE | (sign) | (sign) | (sign) | (sign) | 247 |
| 12 | Veena V | SCE | -AB- | -AB- | -AB- | | 248 |
| 13 | Vidyashree H.R. | SCE | vidya | vidya | vidya | vidya | 249 |
| 14 | Kavya Ramakrishra | SCE | (sign) | (sign) | (sign) | (sign) | 250 |
| 15 | Nanjesh S | SCE | (sign) | (sign) | (sign) | (sign) | 251 |
| 16 | Vikas B O | SCE | Vikas | Vikas | Vikas | Vikas | 252 |
| 17 | AASHIKA SINGH .K | SCE | (sign) | (sign) | (sign) | | 253 |
| 18 | DIVYA .K.V | SCE | (sign) | (sign) | (sign) | (sign) | 254 |
| 19 | GEETHA .G | SCE | Geetha.G. | Geetha G | Geetha G | Geetha G | 255 |
| 20 | KAVYASHREE K.R | SCE | (sign) | (sign) | (sign) | (sign) | 256 |
| 21 | KIRAN KUMAR .A | SCE | (sign) | (sign) | (sign) | (sign) | 257 |
| 22 | KRITHIKA .M.V | SCE | (sign) | Krithi | Krithi | | 258 |
| 23 | NADHIYA .C | SCE | c.tuf | c.tuf | c.tuf | c.tuf | 259 |
| 24 | NEHA .M | SCE | Neha | Neha | Neha | Neha | 260 |
| 25 | NISHA | SCE | Nisha | Nisha | Nisha | Nisha | 261 |

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaragh
Bangalore-5

| Sl.No. | Name | College/Branch | 16-03-2015 | | 17-03-2015 | | Receipt No. |
|---|---|---|---|---|---|---|---|
| | | | FN | AN | FN | AN | |
| 53 | B NDUSHREE .A | SCE/VLSI | Bindushree | Bindushree | Bindushree | Bindushree | 289 |
| 54 | CHAITRA . P | SCE/VLSI | Chaitra.P | Chaitra.P | Chaitra.P | Chaitra.P | 290 |
| 55 | BRIGHTY LICY PIOUS | SCE/VLSI | | | | | 291 |
| 56 | DEEPTI .H. BAGALI | SCE/VLSI | | | | | 292 |
| 57 | NITHYA.M | SCE/VLSI | | | | | 293 |
| 58 | SHIVANANDA | CSE/AIT | shive | shive | shive | shive | 294 |
| 59 | Prof. PREETHI .P | CSE-KSSEM | | | | | 295 |
| 60 | Prof. KUSUMA .K.V | CSE-KSSEM | Kusuma K.v | Kusuma K.v | Kusuma K.v | Kusuma K.V | 296 |
| 61 | KEERTHI .K | SCE | | | | | 297 |
| 62 | VANDITHA .V | SCE | | | | | 298 |
| 63 | SATISH KUMAR | NMIT | | | | | 299 |
| 64 | NANDEEP KHADKA | NMIT | | | | | 300 |
| 65 | KIRANMAYEE MADHUSUDHAN | NMIT | | | | | 301 |
| 66 | RANJITHA NAIK P | NMIT | | | | | 302 |
| 67 | N.U SUSHMITA | NMIT | | | | | 303 |
| 68 | PRIYA .S | NMIT | | | | | 304 |
| 69 | SUPRITHA .R | NMIT | | | | | 305 |
| 70 | Aravind .Y | NMIT | – AB – | – AB – | | | 306 |
| 71 | NAGARAJ.G | SCE/BT | – AB – | – AB – | | | 307 |
| 72 | Abhijeet S. Tibile | SCE /BT | – AB – | – AB – | | | 308 |
| 73 | | | | | | | |
| 74 | | | | | | | |
| 75 | | | | | | | |

26/04/15
HOD, CSE

## ACADEMIC YEAR 2014-2015

## *REPORT ON*

**Two days Workshop on "Image and Video Processing" on 15ᵗʰ March 2015 to 17ᵗʰ March 2015**

The session was headed by Dr. Jharna Majumdar, Former SC G DRDO Dean R & D, Professor in Dept of CSE NITTE Meenakshi Institute of Technology, Bangalore. Digital Image processing allows enhancement of image features of interest while attenuating details irrelevant to a given application and extract useful information about the scene from the enhanced image. Digital image processing offers advantages in cost, speed, and flexibility with the rapidly falling price and enhanced performance of personal computers. Digital image processing techniques are being extensively used in satellite imaging, aerial imaging, Medical imaging, Thermal imaging and Document imaging. Considering its wide range of applications, a workshop on Image and video processing is expected to give impetus for its wide spread use in academic and research establishments.

Convener

Principal
Sapthagiri College of Engineering
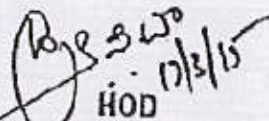Chikkasandra, Hesaraghatta Rc
Bangalore-560 057

Chairman

# SAPTHAGIRI COLLEGE OF ENGINEERING

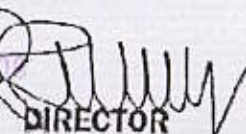#14/5, Chikkasandra, Hesaraghatta Main Road, Bangalore - 560057

**SAPTHAGIRI**
College of Engineering
Creating Tomorrow

## Certificate
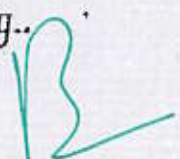
### Two-day Workshop on "IMAGE AND VIDEO PROCESSING"

This is to certify that Mrs./Mr./Ms. _Pathanjali . C_ of

_Sapthagiri College Of Engineering_ has

participated in the Two-day Workshop on "Image and Video Processing" held during 16th & 17th

March 2015, organized by Department of Computer Science & Engg..

HOD 01/3/15

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560057

PRINCIPAL

DIRECTOR