Department of Computer Science

Workshop Report

Name of the Activity:	Seminar
Title of the event:	Image Processing & its applications
Day & Date:	13th July 2022
Time:	10.00AM to 4.50PM
Mode:	Offline
Venue:	K.N. V Sastri Auditorium
Resource Persons:	Dr. Rajani N, Assistant Professor, Dept. of Electronics & Telecommunications Engineering, SIT, Tumkur. Mr. Shashikiran B S, Technical Lead, Capgemini, India Private Limited, EPIP Zone, Whitefield, Bangalore.
No. of Participants:	151 Participants
Conveyor:	Flt.Lt. Harish H

Summary of the Seminar:

The Seminar was conducted on 13th July 22022 from 10:00AM to 5:00 PM. The event started by lighting the lamp by the Dignitaries followed by Welcome address by Flt.Lt. Harish H, HOD, Dept. Of Computer Science, mLAC which was followed by Presidential address delivered by the Principal, Dr. Shashikala A, mLAC

Session 1 by Dr. Ranjini who detailed the Fundamental of Image Processing with concepts of Digital Image, Color model, morphological process and Image Sequencing, its principal applications.

She also highlighted concepts like pictorial representation for human interpretation, segmentation of medical data etc.

Session 2 was continued by highlighting the HSV Model was briefed which implemented in medical image processing. Hue dominant color by observer was thought with image segregation based on 'm' distinct color model on each plane.

Session 3 was delivered by Mr. Shashikiran who highlighted "Image Detection and instance segmentation".

Practical knowledge in the areas of:

- Content based retrieval
- Traffic control systems
- Satellite images

Also briefed about K-Means and Fuzzy C means clustering. Content based image retrieval (CBIR) was also highlighted with histogram positional centroid calculation for the retrieval of image.

Session 4 was continued by highlighting the collaboration of both image processing and technology. He threw lights on "Why Image processing is important?"

"A picture is worth a thousand words" was defended by image enhancement, image steganography, grey image representation. The buzz words like Interpolation technology, spatial resolution, grey level resolution was highlighted.

Finally, Image processing technology in the current era helped all the participants to focus on future use of the technology.

Finally, the event ended with Vote of thanks by Prof. Prathiba M, followed by National Anthem

Feedback analysis:

- **Excellent session**
- **More Informative.**
- **Suggestion for new topics.**
- **Well Organized.**

mLAC (ಎಂ.ಎ್ಯಾಕ್)
ಮಹಾರಾಣಿ ಲಕ್ಷ್ಮಿ ಅಮ್ಮಣ್ಣಿ ಮಹಿಳಾ ಕಾಲೇಜು ಸ್ವಾಯತ್ತ

mLAC
Maharani Lakshmi Ammanni College for Women Autonomous
Bengaluru, Karnataka, India
2H69+HFW, Margosa Rd, Malleswaram, Bengaluru, Karnataka 560012, India
Lat 13.011517°
Long 77.568719°
13/07/22 10:41 AM
Google
Margosa Rd
Sankey Rd

mLAC (ಎಂ.ಎ್ಯಾಕ್)
Bengaluru, Karnataka, India
2H69+HFW, Margosa Rd, Malleswaram, Bengaluru, Karnataka 560012, India
Lat 13.011517°
Long 77.568719°
13/07/22 01:26 PM
Google
Margosa Rd
Sankey Rd

Bengaluru, Karnataka, India
2H69+HFW, Margosa Rd, Malleswaram, Bengaluru, Karnataka 560012, India
Lat 13.011517°
Long 77.568719°
13/07/22 11:06 AM
Google
Margosa Rd
Sankey Rd

Bengaluru, Karnataka, India
2H69+HFW, Margosa Rd, Malleswaram, Bengaluru, Karnataka
560012, India
Lat 13.011517°
Long 77.568719°
13/07/22 10:46 AM
Google
Margosa Rd
Sankey Rd

mLAC
Maharani Lakshmi Ammanni College for Women Autonomous
Affiliated to Bengaluru City University