

AICTE-QIP SPONSORED ONE WEEK QIP-SHORT TERM COURSE

on

IMAGE ANALYSIS AND COMPUTER VISION

during

23rd November 2015 to 29th November 2015

REPORT

The Department of Electronics and Communication Engineering, Coimbatore Institute of Technology, Coimbatore organized a one week AICTE-QIP Short Term course on “Image Analysis and Computer Vision” during 23rd November 2015 to 29th November 2015. The objective of this Short Term Course is to bring researchers and technocrats together and expose real-world problems where image analysis and computer vision techniques might provide robust solutions.

The Short Term Course was coordinated by Dr.S.Uma, Associate Professor, Ms.B.Bhuvaneshwari, Assistant Professor and Ms.V.Gowri Priyaa, Assistant Professor, Department of Electronics and Communication Engineering, Coimbatore Institute of Technology, Coimbatore.

The Program started with an informal inauguration on 23rd November 2015 and Dr.A.Rajeswari, Professor and Head, Department of Electronics and Communication Engineering addressed the participants. Dr.S.Uma, Coordinator gave an overview of the one week program. The session started with the talk on “Visual perception and Imaging” delivered by Dr.S.Md.Mansoor Roomi, Department of Electronics and Communication Engineering, [Thiagarajar College of Engineering](#), Madurai. In the Afternoon session Dr.V.R.VijayaKumar Department of Electronics and Communication Engineering, Anna University, Coimbatore gave a lecture on “Filtering and Enhancement”.

On 24th the session started with a presentation on “Image segmentation” by Dr.R.Krishnamoorthy, Department of Computer Science Engineering & Information Technology, Anna University, Trichy. Followed by Dr. Venkatesh Babu, IISC, Bangalore, delivered a lecture on “Object detection and tracking”.

The need for transforms and extraction of features was handled by Dr. S.Dominic, Department of computer Applications, NIT, Trichy on 25th. Dr. Sabeenian, Electronics and Communication Engineering Department, Sona College of Technology, Salem addressed the participants on the topic “Classification and Pattern recognition” in the afternoon session.

On 26th forenoon, Dr.P.Arulmozhivarman, V I T University, Vellore delivered a talk on “Introduction to computer vision and Vision based surveillance systems”. In the afternoon session Dr. K. M. Mohana Sundaram, Dean Academics, Sri Eshwar College of Engineering gave a non technical talk on “Teaching learning process”.

On 27th, a lecture on mathematics for image processing, enhancement techniques, applications of image processing followed by hands on training was given using Scilab by Mr.T.K.Senthil Kumar, SCS-India

On 28th the session started with a talk on “Industrial Applications In Image Analysis”, delivered by D.Srinivasan, VIZZITECH, Coimbatore and it was followed by lab sessions using Scilab.

The Short Term course was very effective in exchanging ideas among industrial, academician and research. This was followed by the feedback from the participants on 29th November 2015. Few

Participants gave their feedback about the one week course. The Coordinators distributed the Certificates. The participants were satisfied with the conduct of the course.

