

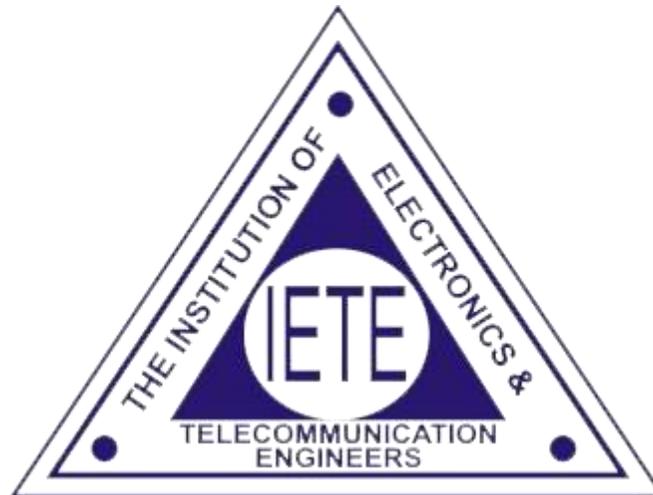


DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2016-2017 (Even Semester)

**THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION
ENGINEERS**

IETE STUDENTS' FORUM (ISF)



**A REPORT
OF
GUEST LECTURE ON
DOCUMENT IMAGE PROCESSING**

17.03.2017

Department of Electronics and Communication

Kings College of Engineering, Thanjavur.



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GUEST LECTURE - ACTIVITY REPORT

The Department of Electronics and Communication Engineering , Kings College of Engineering had Organized a Guest Lecture on 17.3.2017 for the final year ECE IETE student members under the IETE students' Forum.

The Activity was organized with prior permission and guidance of the Hon. Principal Dr.S.DuraiRaj and Dr.J.Arputha vijaya selvi, Professor and Head, ECE department, Kings College of Engineering.

Mr.T.Jeyaseelan AP/ECE, IETE Students' Forum (ISF) coordinator coordinates the Guest Lecture activity. The 47 IETE student members of B.E (ECE) attended the Guest Lecture.

Dr.R.Diwakar, Assistant Professor (Sr.G), Department of Electronics & Communication Engineering, SRM University was invited for the Guest Lecture with prior requisition.

His research interests include Document Image Processing. He has published selected 8+ Research articles in National & International journals and 6 Publications in international conferences.



Dr.J.Arputha vijaya selvi , Professor & Head, ECE Dept, honored Dr.R.Diwakar, Assistant Professor (Sr.G), Department of Electronics & Communication Engineering, SRM University for the Guest Lecture Activity on 17.3.2017.



Dr.R.Diwakar, Assistant Professor (Sr.G), Department of Electronics & Communication Engineering, SRM University delivered Guest Lecture on Document Image Processing to the IETE student members on 17.3.2017.



The IETE student members participated in the Guest Lecture on 17.3.2017.



The IETE student members participated in the Guest Lecture on 17.3.2017.

Dr.R.Diwakar explained the way one shall view the document and in reality it has more kinds of information such as images, text, layout and colors etc.,

He shared about the the evolution of Document usage, life cycle, production, distribution,consumption and archival,Document image processing, Document images merits

During the session, the students were inteactive and got inspiration in the Lecture.

The Resource person explained about image compression standards of JPEG(Joint Photographic Experts Group), GIF(Graphics Interchange Format) and PNG (Portable Network Graphics).

The Students gained knowledge on image compression standards and the algorithms used by the compression standards.

The Students gained knowledge on image compression standards and for natural images JPEG gives better compression while sharp-edged line art images could be better compressed by GIF compression standard.

The Resource person shared the scope of Document Image Processing in field of searching , information decoding and storage.

Outcome

The Guest Lecture brought an insight in the area of Document Image Processing for the students . The students got inspiration about the viewing of a Document, layout , text image, different compression standards for natural images and sharp edge-line art images and searching an information from the document image .