DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Year 2016-2017 (Odd Semester)

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS

IETE STUDENTS' FORUM (ISF)

A REPORT
OF
GUEST LECTURE

22nd JULY 2016

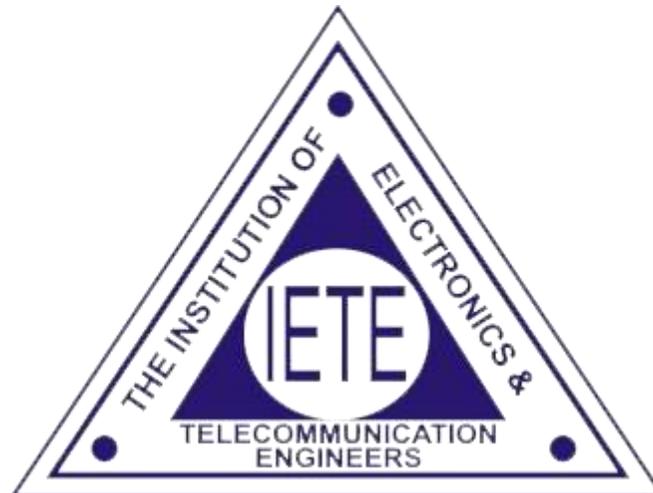**Department of Electronics and Communication**

Kings College of Engineering

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Academic Year 2016-2017 (Odd Semester)
THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE)
IETE STUDENTS' FORUM (ISF)
GUEST LECTURE - ACTIVITY REPORT

The Department of Electronics and Communication Engineering , Kings College of Engineering had Organized a Guest Lecture on 22.7.16 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), final year attended the Guest Lecture.

Dr.R.Amirtharajan, Associate Professor, Department of Electronics & Communication Engineering , SASTRA University was invited for the Guest Lecture with prior requisition.

Dr. R. Amirtharajan has been working as a Associate Professor in the department of Electronics & Communication Engineering SASTRA University since 1997.

His research interests include Image Processing, Information Hiding, Computer Communication and Network Security. So far he filed two International Patent (USA & WIPO) and one in India;

He has published 123+ Research articles in National & International journals and 28 IEEE conference papers with 4 BEST paper awards.

Dr.J.Arputha vijaya selvi , Professor & Head, ECE Dept, honored Dr.R. Amirtharajan , Associate Professor ,SASTRA University for the Guest Lecture Activity on 22.7.2016.

Dr.R. Amirtharajan , Associate Professor, SASTRA University delivers Guest Lecture on Image Security to the IETE student members on 22.7.2016..

The IETE student members participated in the Guest Lecture delivered by Dr.R. Amirtharajan , Associate Professor ,SASTRA University on 22.7.2016.

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Dr.R. Amirtharajan explained the origin of data secuity and its potential growth in the field of communication. He explained the concept of image secuity with some simple assignments such as generating a secure ATM card PIN number and how airtel other service provider use unique number for recharging services.

He shared about the basic requirements to have secure password for internet banki ng, email account and other services. students learned the basics of data security and how it plays vital role in modern communication system and human life.

During the session, the students were inteactive and got inspiration in the Lecture. The Resource person highlited the concept of image security, algorithm and its applications in wireless communication.

The Resource person explained about how image security is used in mobile devices.

The Students gained knowledge on image security and its applications in the field of communication.

The Students were able to know the method of generation of unique number which is used in the communication system and services.

Dr.R. Amirtharajan shared the scope of the Image security in the field of communication with current research work.

List of Students Attended Guest Lecture on Image Security on 22.7.16

YEAR/SEM	S.NO.	NAME OF STUDENT	Class & Section
IV/VII	1	KRISHNAVENI.S	IV ECE 'A'
	2	ANNALAKSHMI.A	
	3	KISHORE.G.K	
	4	ISHWARYA PILLAI.M	
	5	DEEPIKA.L	
	6	JASMINE.K	
	7	BARGAVI.G	
	8	JAYALAKSHMI.M	
	9	ABINAYA.A	
	10	ELAMATHI.M	
	11	AJEETHKUMAR.V	
	12	JEEVA.M	
	13	ARAVIND.K	
	14	AKSHAYA.A	
	15	KIRUTHIKA.B	
IV/VII	16	MANGALA NAYAGI.S	IV ECE 'B'
	17	NIVETHA.R	
	18	NOORJAHAN.S	
	19	PADMAPRIYA.K	
	20	PAVITHRA.S	
	21	PREETHI.M	
	22	PREETHIKA.V	

	23	PRIYA DARSINI.S	
	24	PRIYA DHARSHNI.K	
	25	PRIYANKA.M	
	26	PRIYANKA.R	
	27	RAJAGOWRI.V	
	28	RAJASRI.E	
	29	RAJESHWARI.R	
	30	SALAM BEGUM.R	
	31	SHALINI.K	
	32	SHOBIKA.S	
	33	SINDUJA.S	
	34	SRIDEVI.A	
	35	SWATHI.R	
IV/VII	36	SUSHMITHA.P	**III ECE 'B'**
	37	POTHUMSELVI.R	
	38	PAVITHRA.E	
	39	PRIYANGA.V	
	40	SHYAMALA.K	
	41	MANJULAVANI.H	
	42	MANIKANDAN.D	
	43	SHANMUGA PRIYA.K	
	44	NABINIYA.M	
	45	SUSANDHIYAA.R.S	
	46	SURUTHI.R	
	47	RAJARAJAN.V	

Outcome

The Guest Lecture brought an insight in the area of image security for the students . The students got inspiration about the image security applications and the consequences of insecure password, PIN number, etc. They learned about the basic concept of image security and the techniques for the generation of unique number, and its applications.