



Academic year 2019-20 (ODD)  
Department of Electronics and Communication Engineering  
Report  
Guest Lecture on “Biomedical Instrumentation”

Guest Lecture on “Biomedical Instrumentation” was organized for third and final students of ECE and EEE on 07.08.2019 at Pallava Hall. **Dr. Raji Sundararajan, Professor /Electrical Engineering, Purdue University, Indiana, USA** was the resource person.



Mrs.R.Ponni welcome the gathering



Dr. J. Arputha Vijaya Selvi, introducing the person



Dr. Raji Sundararajan, delivering lecture



Mrs.D.Vennila delivering vote of thanks



A view of participants

Mrs.R.Ponni, Asst.Prof/ECE, gave a warm welcome to the gathering. Dr. Raji Sundararajan was introduced to the gathering by Dr.J.Arputha Vijaya Selvi, Principal.

Dr. Raji Sundararajan, delivered a lecture on “Electroporation based therapies for cancer” which includes the concept of Electroporation, Electro Chemotherapy and Electro-Gene therapy. Her lecture was focussed on the molecular and cellular events involved in tumor formation, progression, metastasis, and drug binding is crucial to the development of innovative therapy for cancer patients.

She also briefed the application of high intensity, short duration (milli and micro seconds), electrical voltage pulses for the treatment of breast carcinomas and other cancers, as drug delivery is one of the most challenging issues of the medical community. Dr.Raji Sundararajan shared her experince in treating the cancer patients and challenges faced during the treatment of cancer with application of electrical pulses with real time pictures.

While concluding her lecture she interacted with students and clarified the queries raised by the students.

Mrs.D.Vennila, Asst.Prof, proposed vote of thanks.