

## Research & Development Section

### Report

### Guest Lecture on “Biomedical Image Processing”

Guest Lecture on “**Biomedical Image Processing**” was organized on 01.02.2019 at Conference Hall. Prof. Eric A. Hoffman, Prof. Emma Stapleton and Prof. Abilash from University of IOWA, IOWA, USA were the resource persons.



Prof. Eric and his team at KCE



Dr. J. Arputha Vijaya Selvi, welcoming the gathering



Dr. S. Sivakumar introducing resource person



Dr. J. Arputha Vijaya Selvi honouring Prof. Eric



Dr. J. Arputha Vijaya Selvi honouring Prof. Emma



Dr. J. Arputha Vijaya Selvi honouring Prof. Abilash

Prof. Dr. J. Arputha Vijaya Selvi, Principal, gave a warm welcome to the gathering. Prof. A. Hoffman was introduced to the gathering by Dr. S. Sivakumar, Vice Principal. Prof. Eric A. Hoffman and his team was honoured by our Principal and Vice Principal.

Prof. Emma Stapleton, delivered a lecture on “Air Pollution in India”. Her lecture was focussed on the effects caused by cooking without ventilation by using wood. Using case studies, she stated that in Tamil Nadu the toxic is safe compared to other states particularly in North India.



Prof. Emma during the lecture



Prof. Eric during the lecture

Prof. Eric A. Hoffman, delivered a lecture on “Evaluation of Pulmonary Effects of Cooking Indoors with Solid Biofuels and Poor Ventilation”. In his lecture, he stated that smoking causes severe chronic obstructive lung diseases and other ailments. Besides, the smoke emitted by solid biofuels is equivalent to the side effects of smoking. While, concluding his lecture, Dr. Hoffman's briefed on the facilities available at his laboratory, a research dedicated state-of-the-art multi-spectral, multi-detector row spiral CT (MDCT) scanner and an in vivo micro CT scanner. Through a relationship with Siemen's Medical, the MDCT scanner is the state-of-the-art scanner to promote novel new lung imaging.



A view of the participants



Prof. Eric during the interaction session



Student interacting with Prof. Eric and his team



Prof. Abilash during the interaction session



Ms. Mowli proposing Vote of Thanks



Student personal interaction with IOWA team

Prof. Eric A. Hoffman and his team, responded to the queries raised by the students and staff members. During the response to the lecture, Ms. Mowli, Final year /ECE said that the lecture was an eye opener in the field of Medical Electronics and was not like an ordinary lecture and students got a deep insight on the topic. The HODs of all departments, senior faculty members and selected students attended the programme. Dr. D. Kumar, Professor/ECE, coordinated the programme.